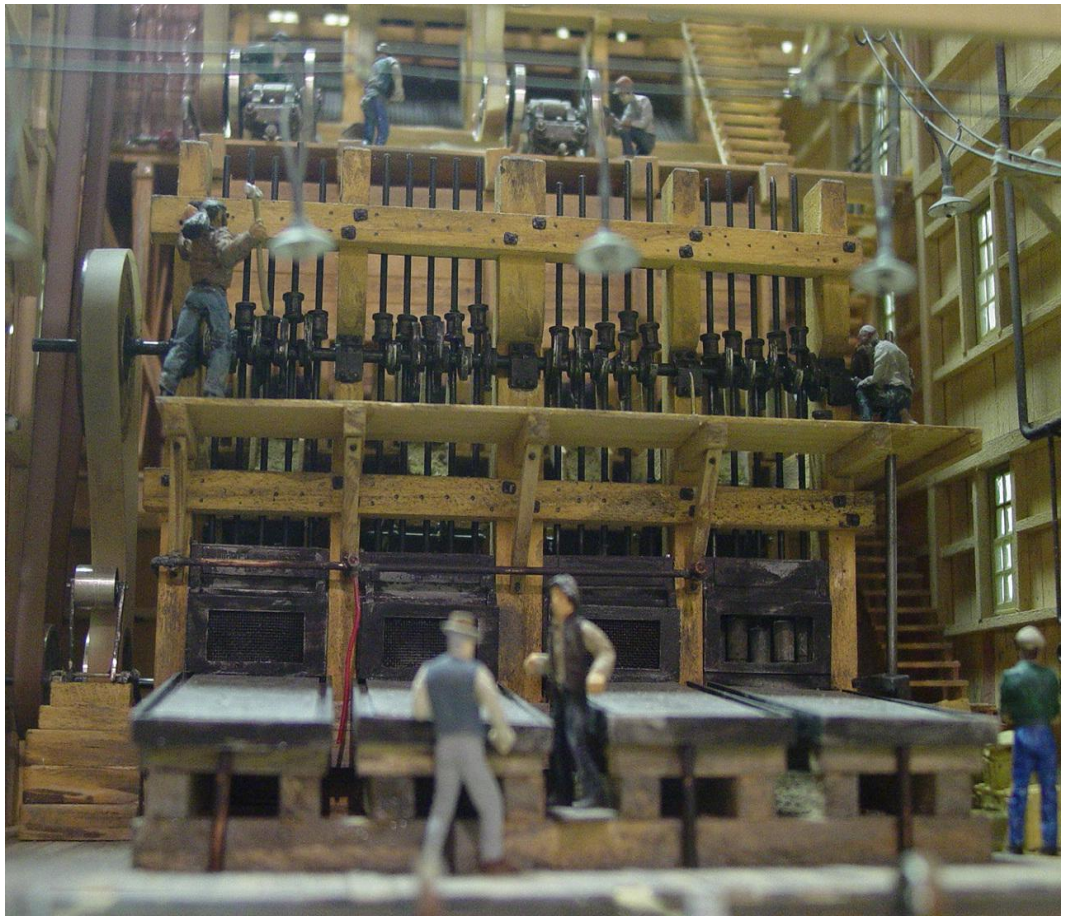
Stamp Mill Construction, Challenges and Animation

- By Jerry Wilson

by Jerry Wilson

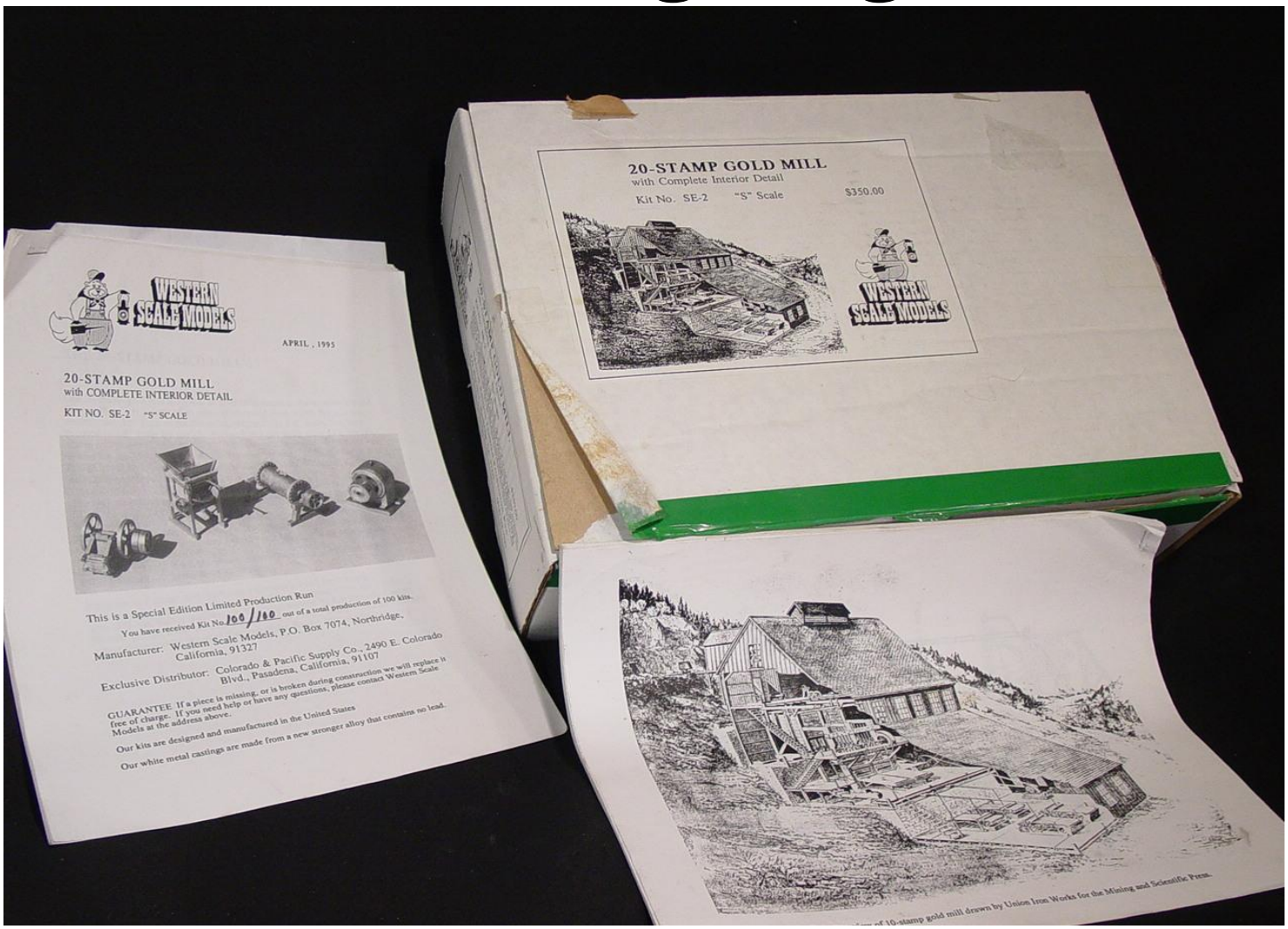
Just a builder at heart

Mill Stats…

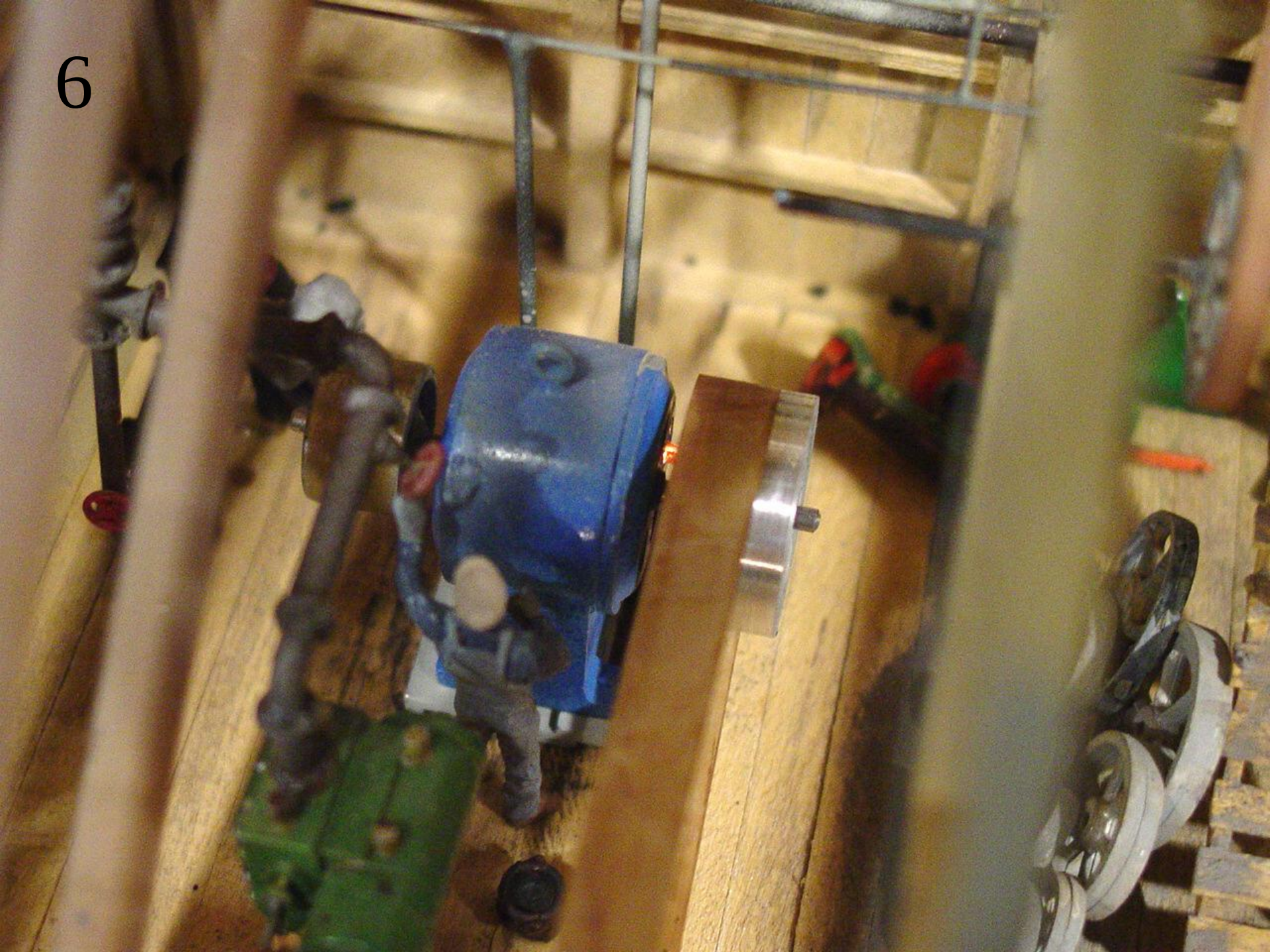


- 5 Doors
- 66 Windows
- 834 Window lites
- 26 Pulleys
- 13 Belts
- 22 People
- 2 Sound modules
- 5 separate power supplies

Planning Stage


WESTERN SCALE MODELS
APRIL , 1995
20-STAMP GOLD MILL
with COMPLETE INTERIOR DETAIL
KIT NO. SE-2 "S" SCALE
This is a Special Edition Limited Production Run
You have received Kit No. 100/100 out of a total production of 100 kits.
Manufacturer: Western Scale Models, P.O. Box 7074, Northridge, California, 91327
Exclusive Distributor: Colorado & Pacific Supply Co., 2490 E. Colorado Blvd., Pasadena, California, 91107
GUARANTEE If a piece is missing, or is broken during construction we will replace it free of charge. If you need help or have any questions, please contact Western Scale Models at the address above.
Our kits are designed and manufactured in the United States
Our white metal castings are made from a new stronger alloy that contains no lead.
20-STAMP GOLD MILL
with Complete Interior Detail
Kit No. SE-2 "S" Scale $350.00
WESTERN SCALE MODELS

5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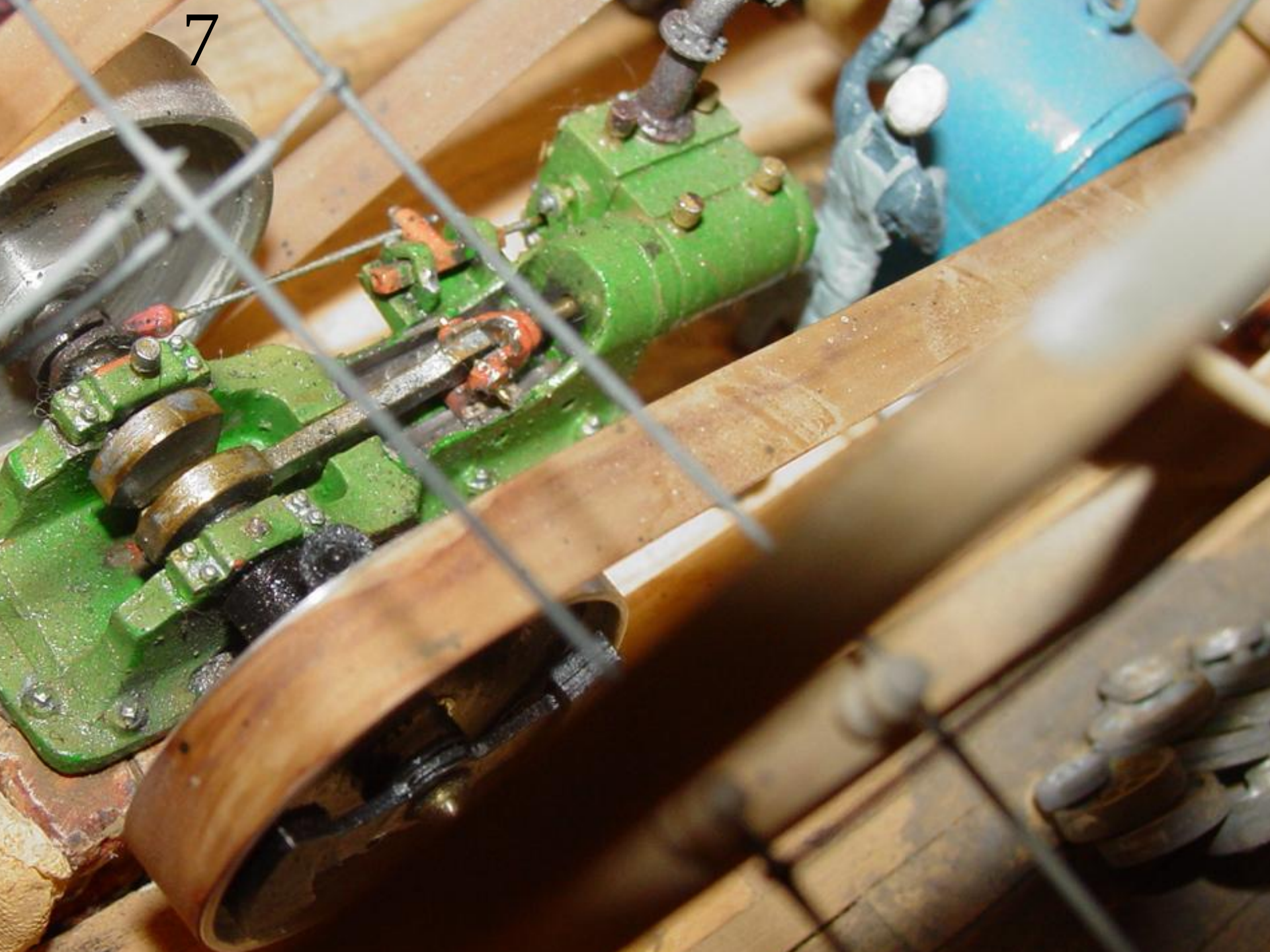

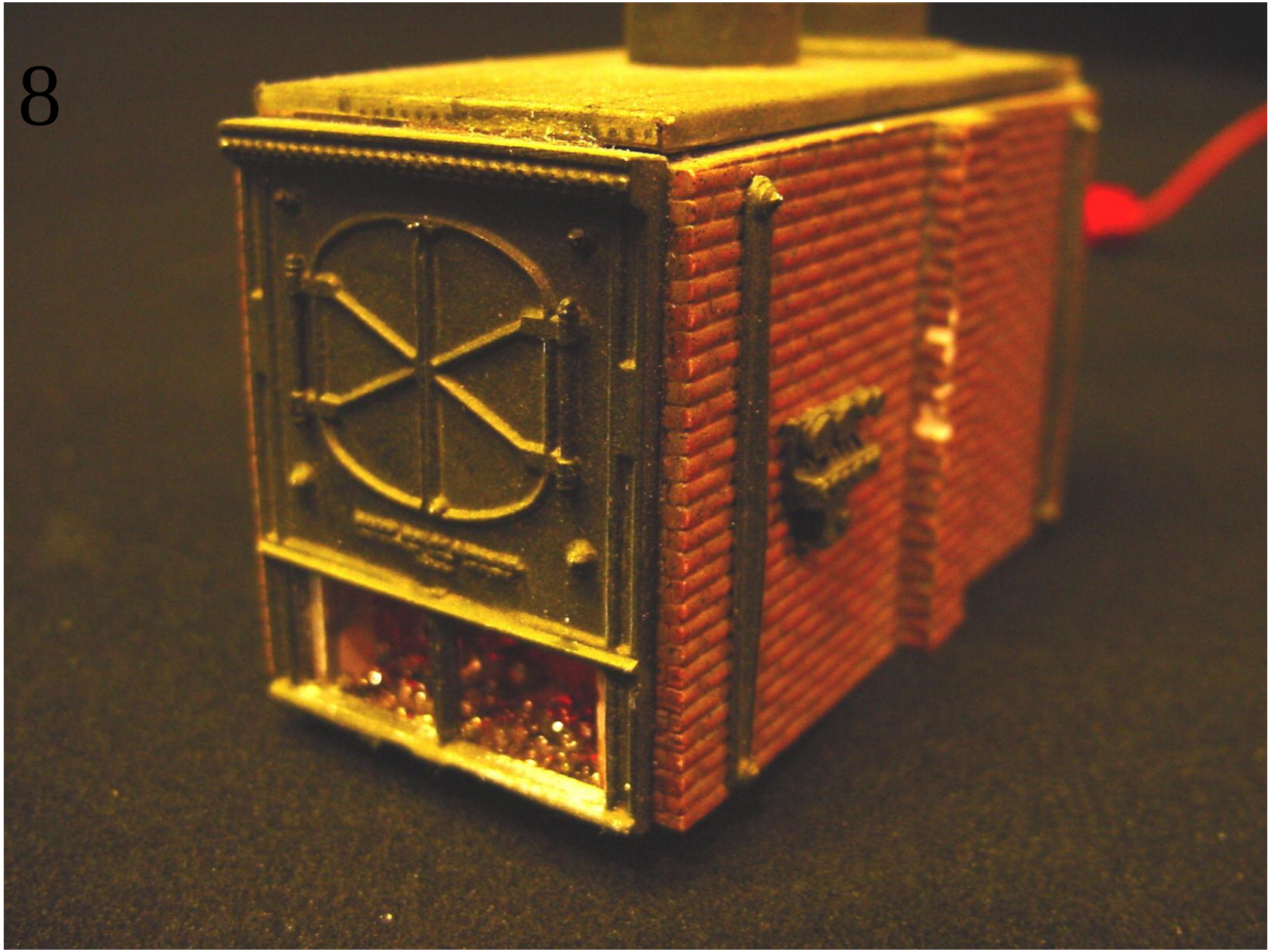
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9

Template 1: Wall #1 construction.

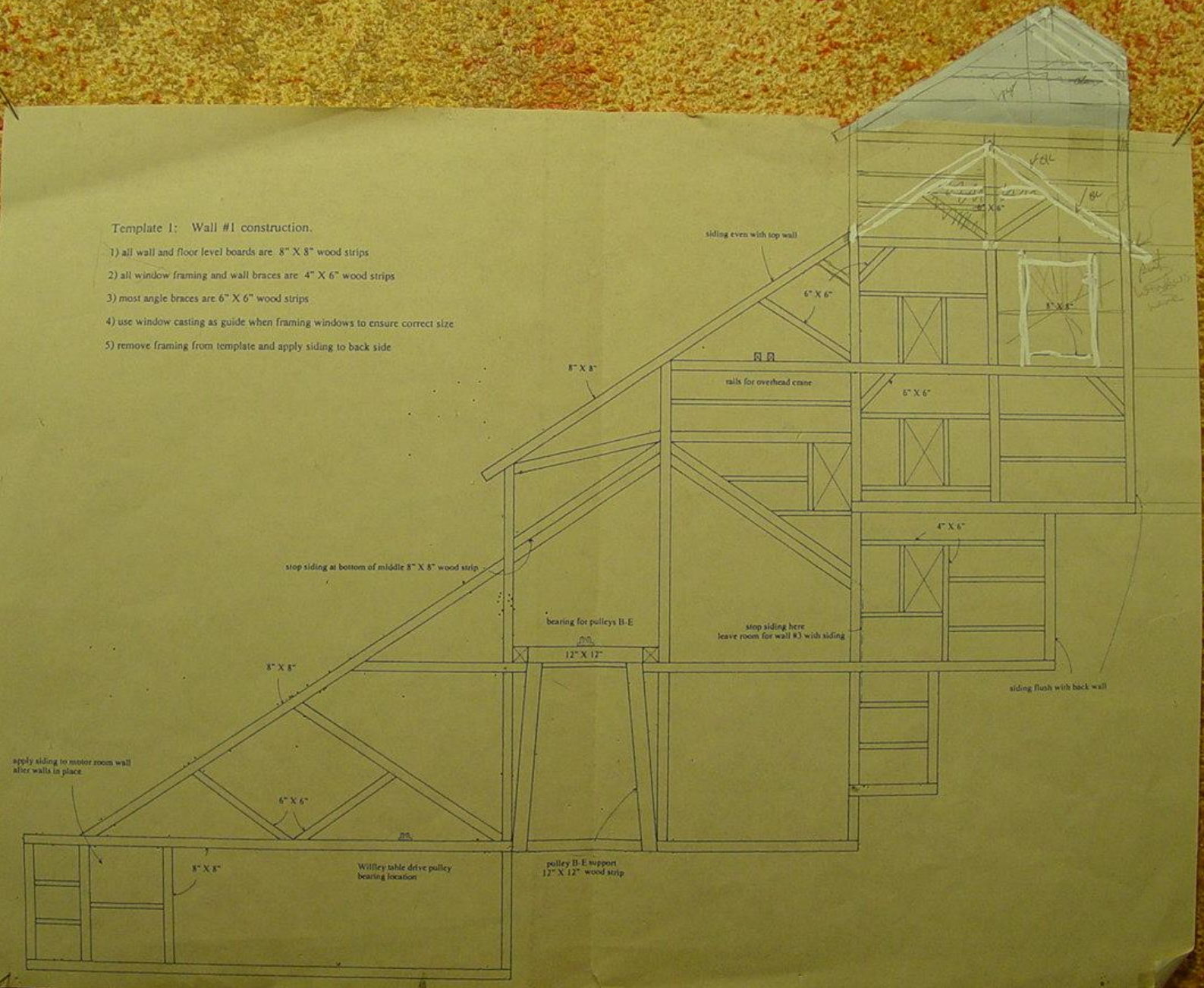
1) all wall and floor level boards are 8" X 8" wood strips

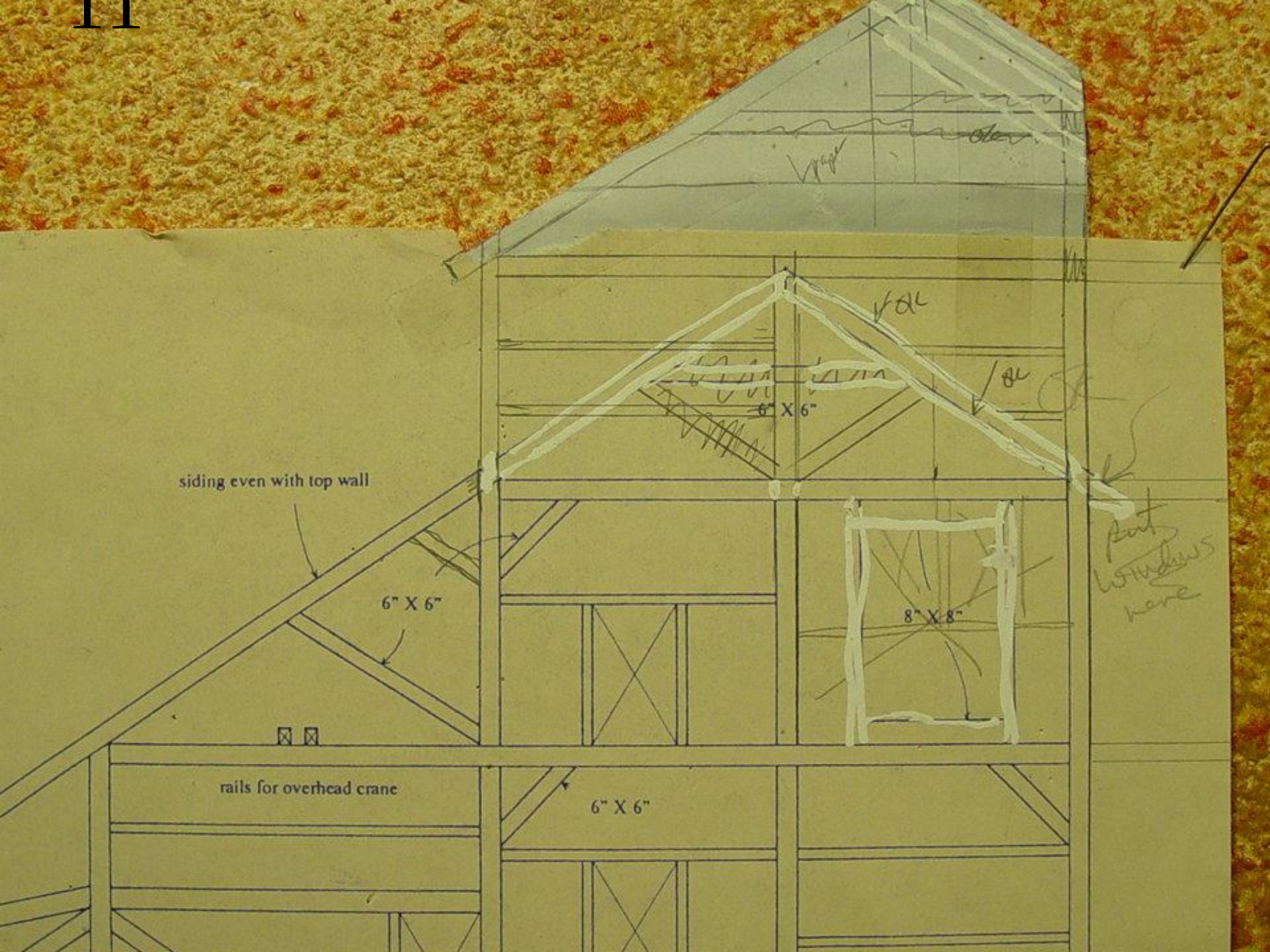
2) all window framing and wall braces are 4" X 6" wood strips

3) most angle braces are 6" X 6" wood strips

4) use window casting as guide when framing windows to ensure correct size

5) remove framing from template and apply siding to back side


siding even with top wall
6" X 6"
8" X 8"
rails for overhead crane
6" X 6"
4" X 6"
stop siding at bottom of middle 8" X 8" wood strip
bearing for pulleys B-E
12" X 12"
stop siding here
leave room for wall #3 with siding
8" X 8"
siding flush with back wall
apply siding to motor room wall
after walls in place
6" X 6"
8" X 8"
Willey table drive pulley
bearing location
pulley B-E support
12" X 12" wood strip


siding even with top wall
6" X 6"
6" X 6"
8" X 8"
rails for overhead crane
6" X 6"

13

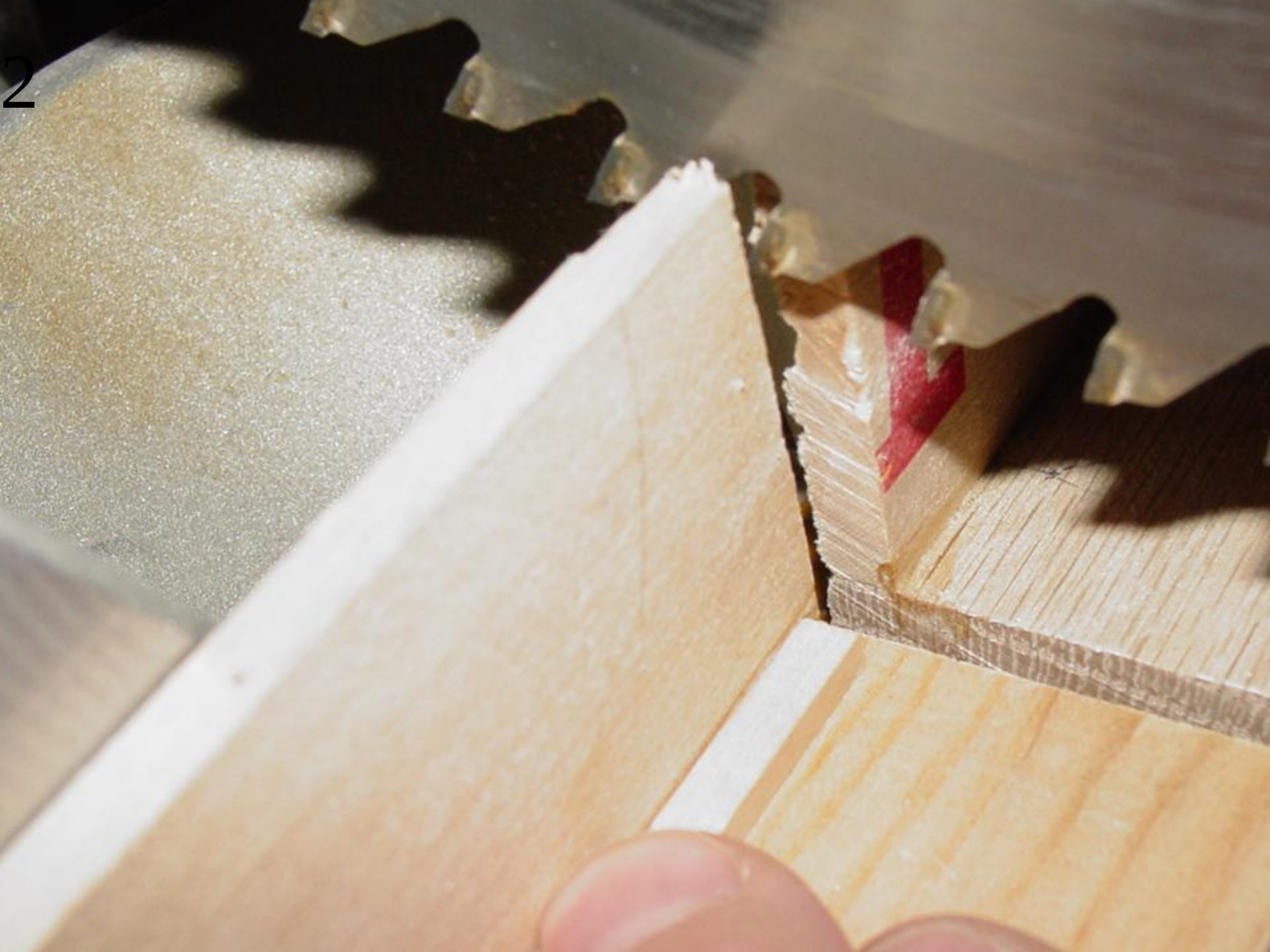
Building the Walls

Or my quest for square corners

OLFA ROTARY MAT
60°
45°

9

ALWAYS ADJUST FENCE
PROPERLY BEFORE USE
ACE
Hardware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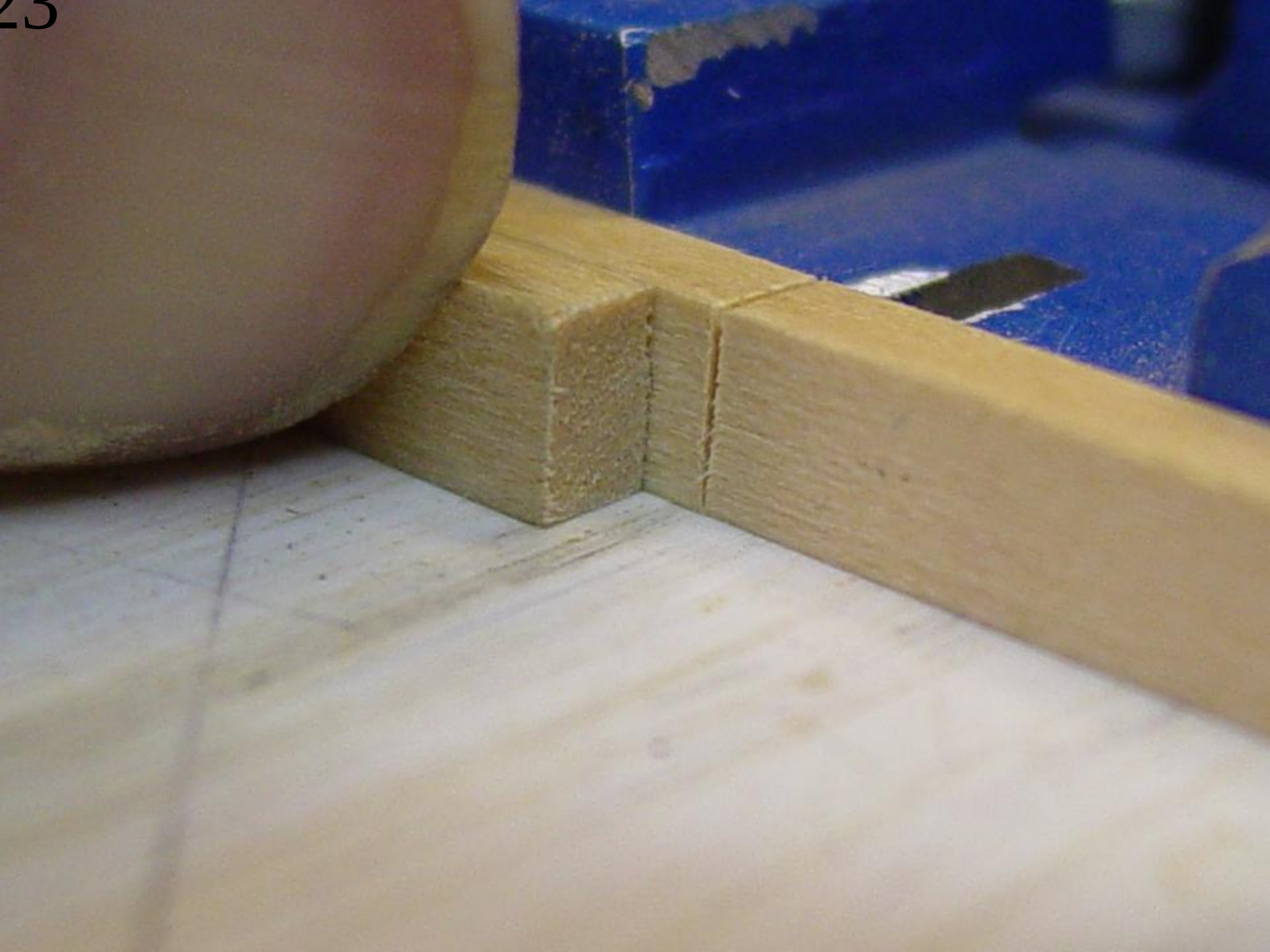

24

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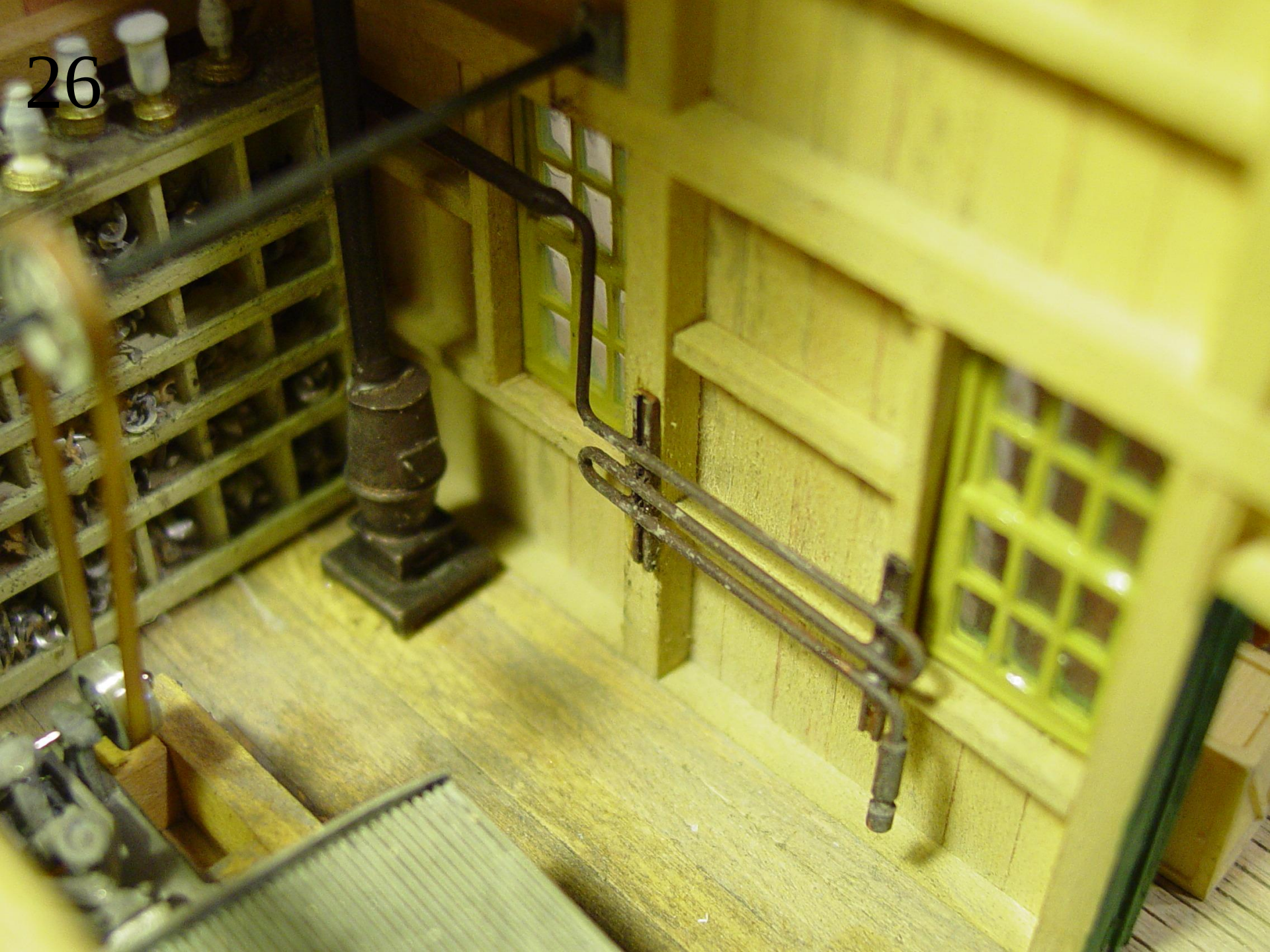
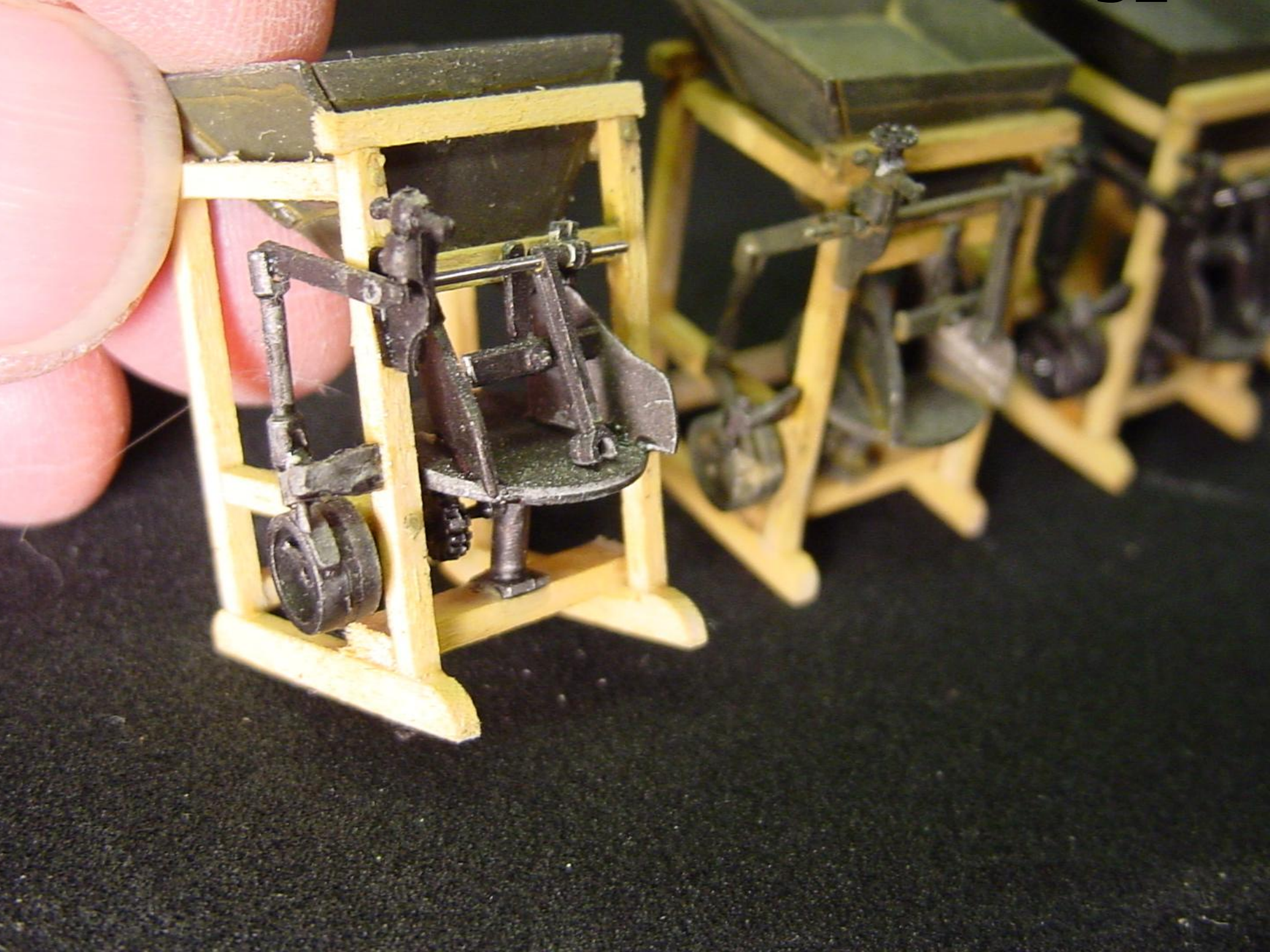


Building the Machinery

1



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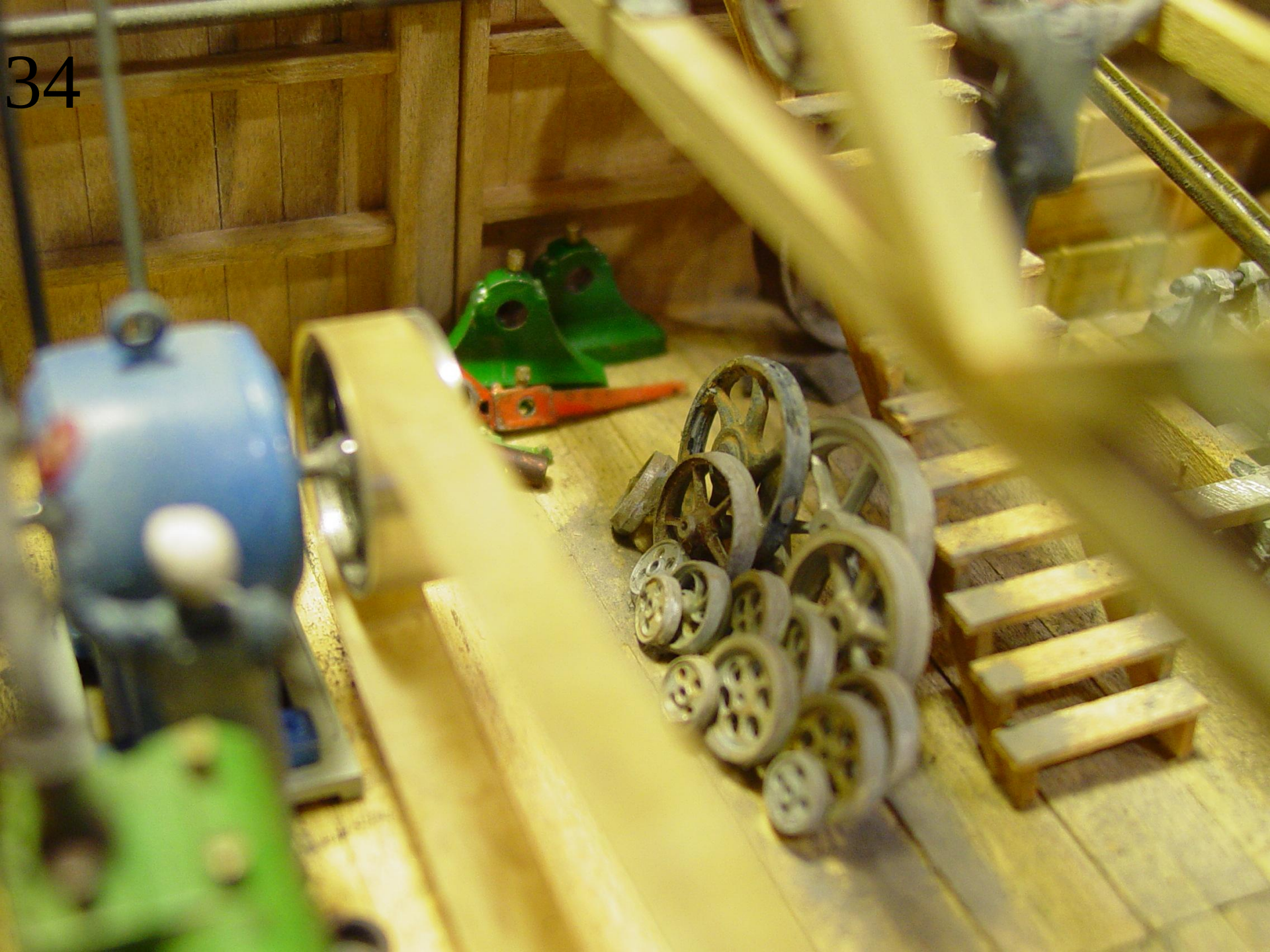
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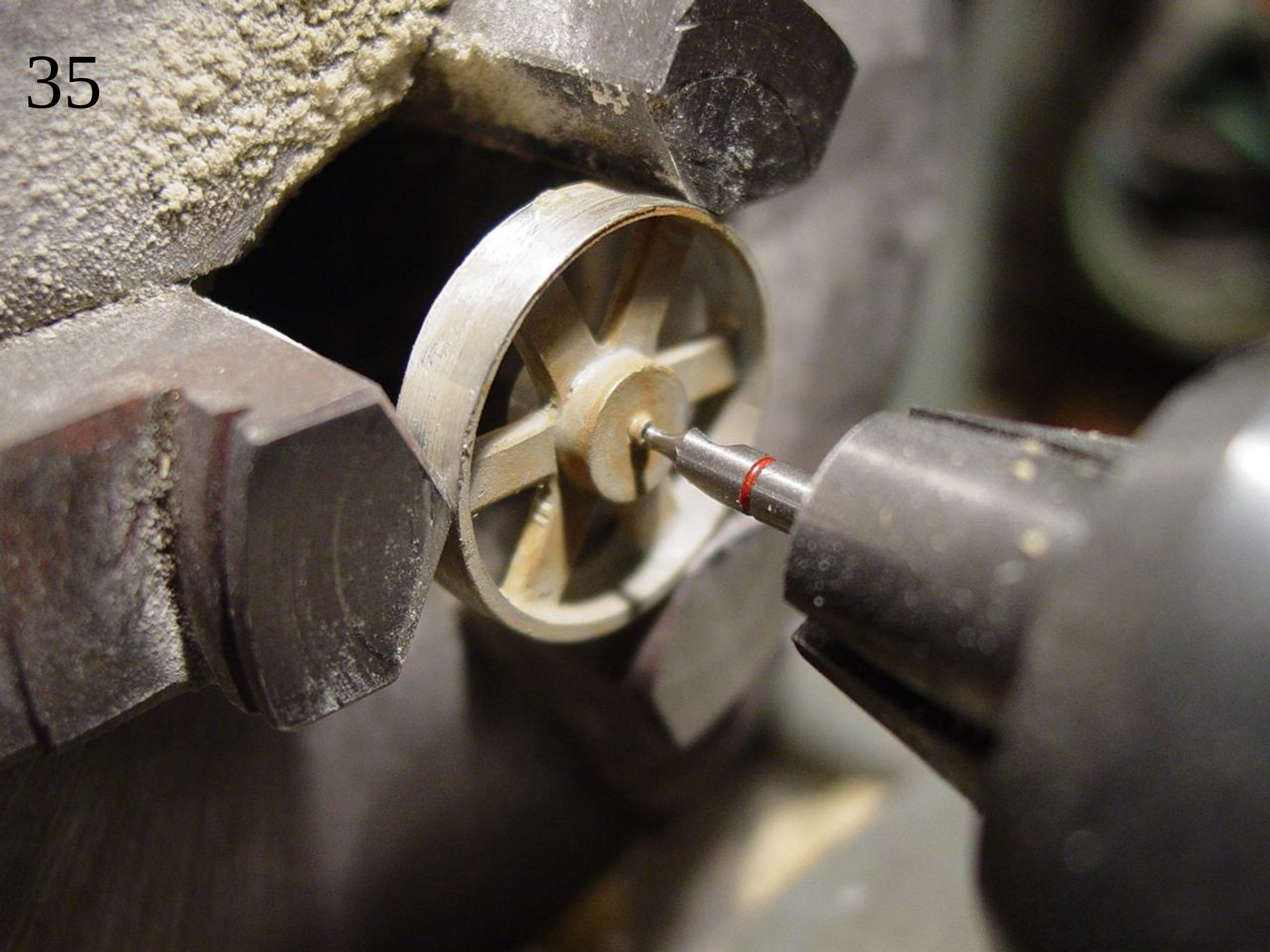
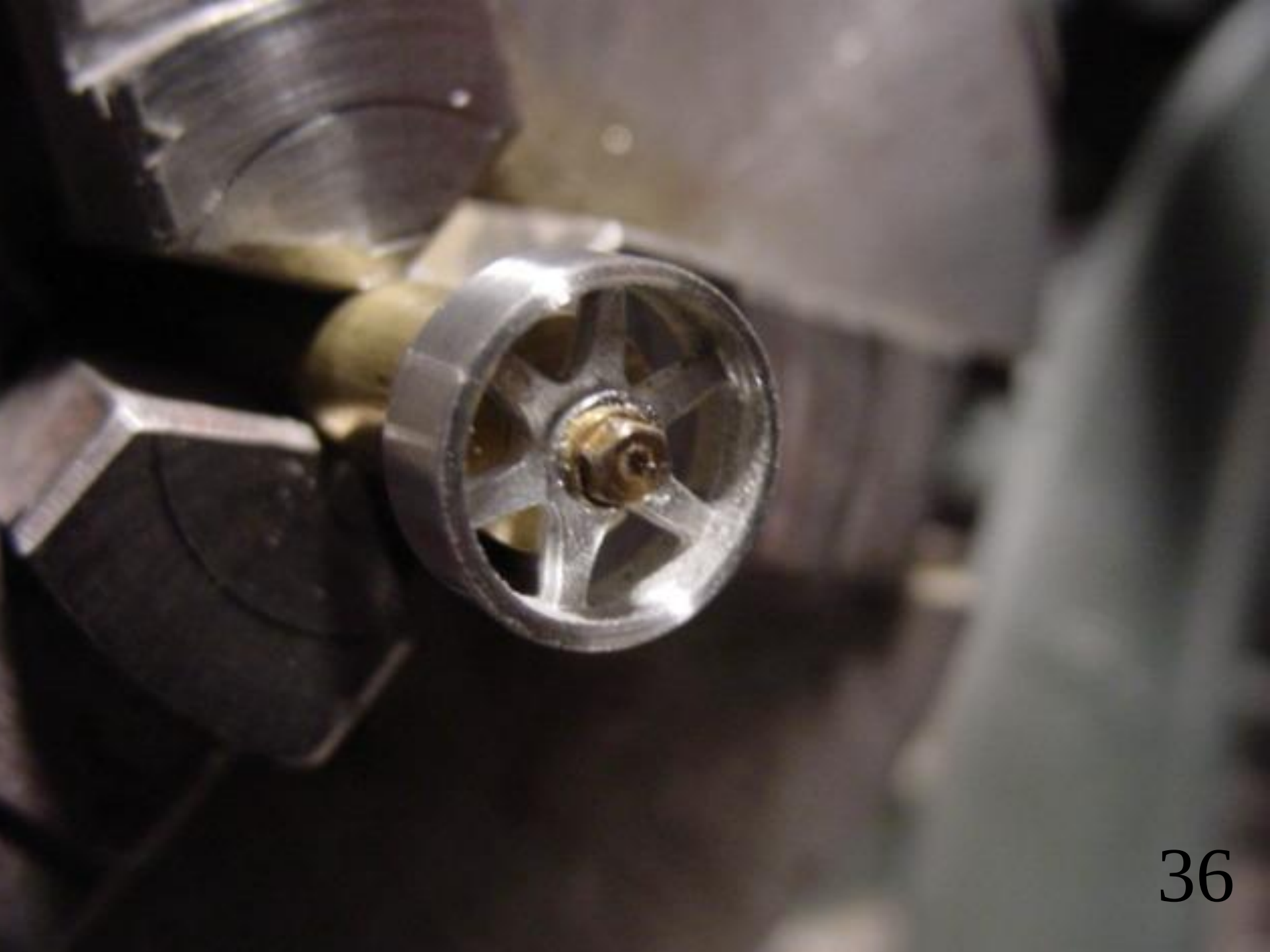
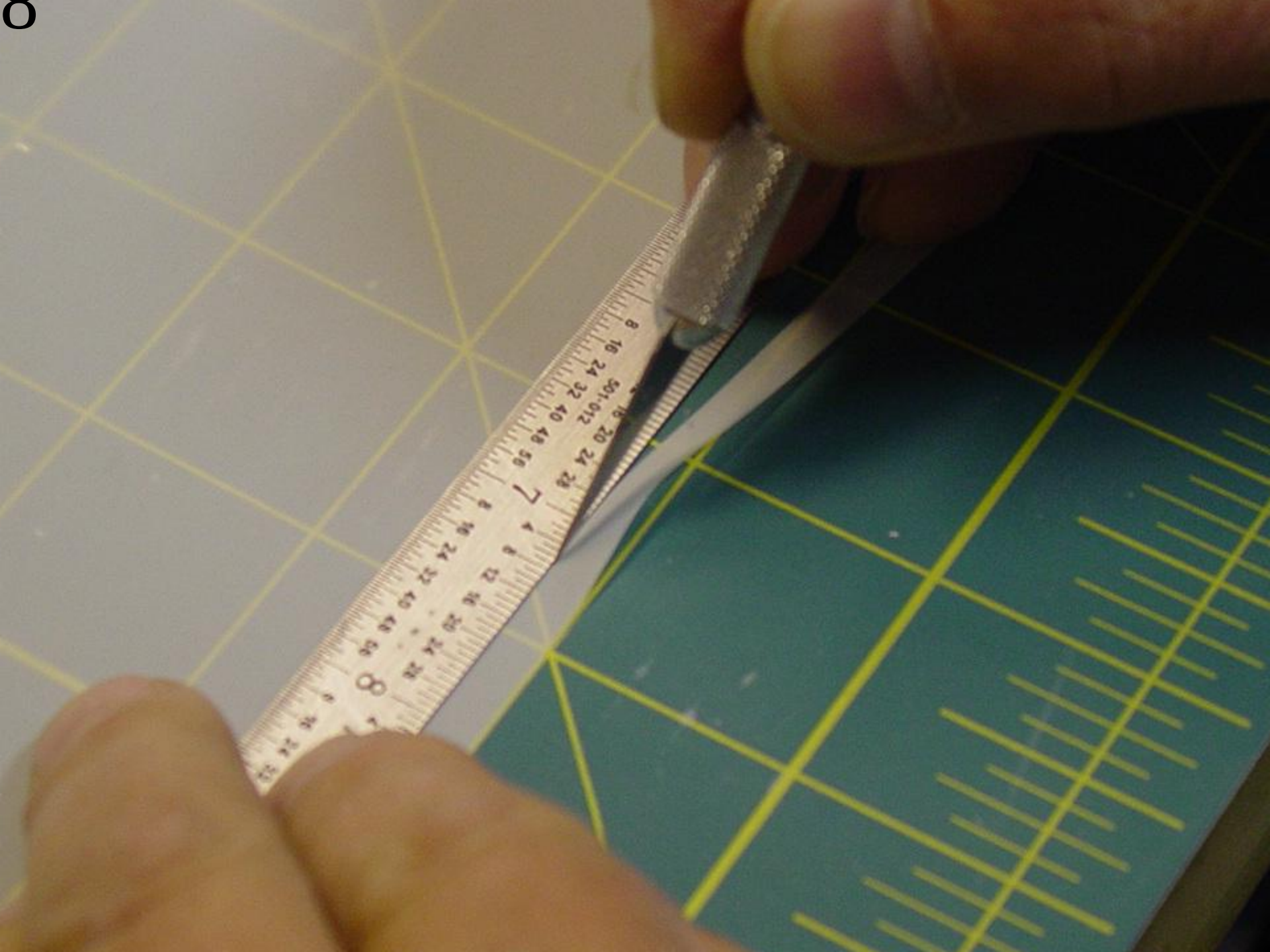


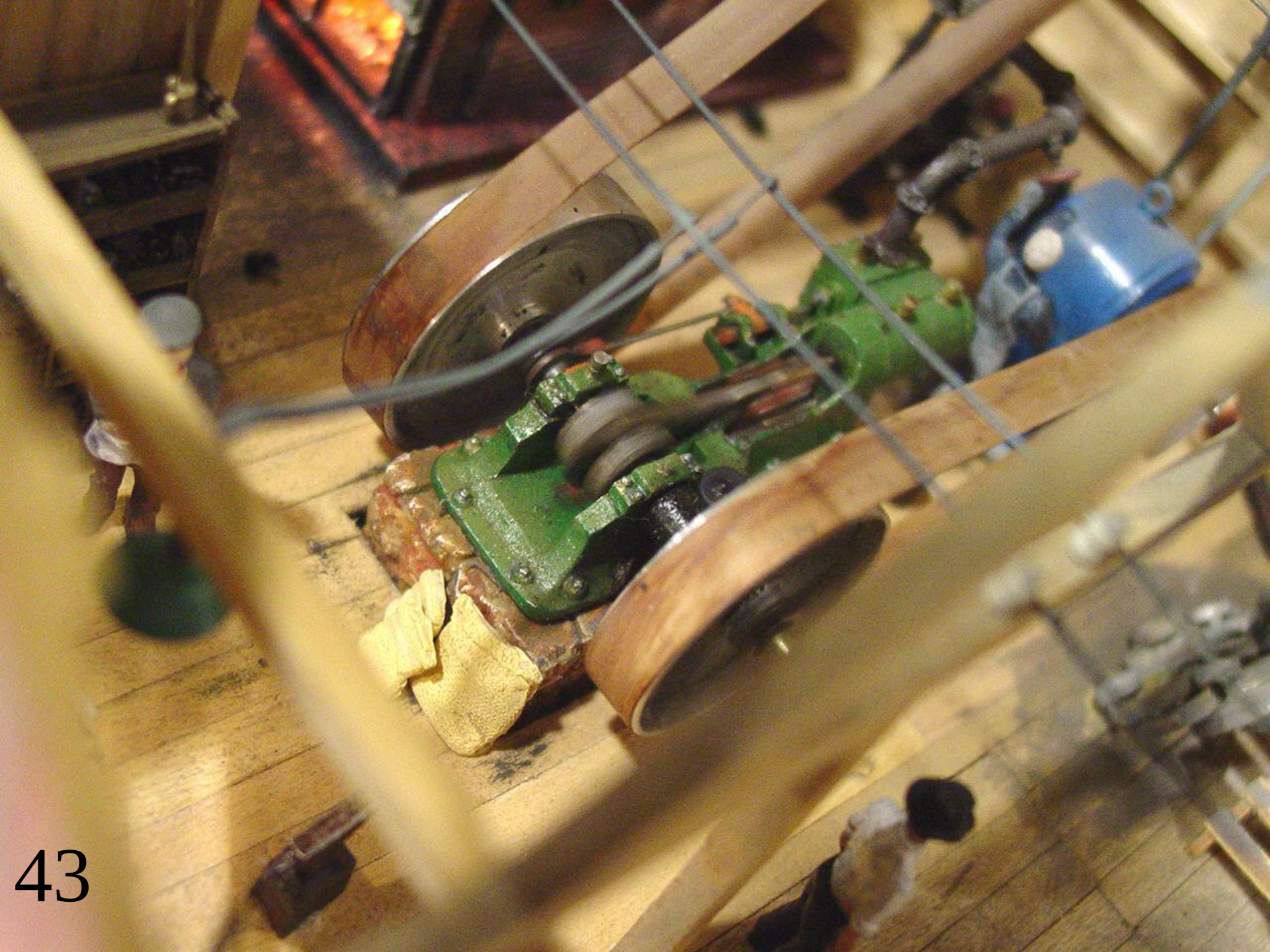


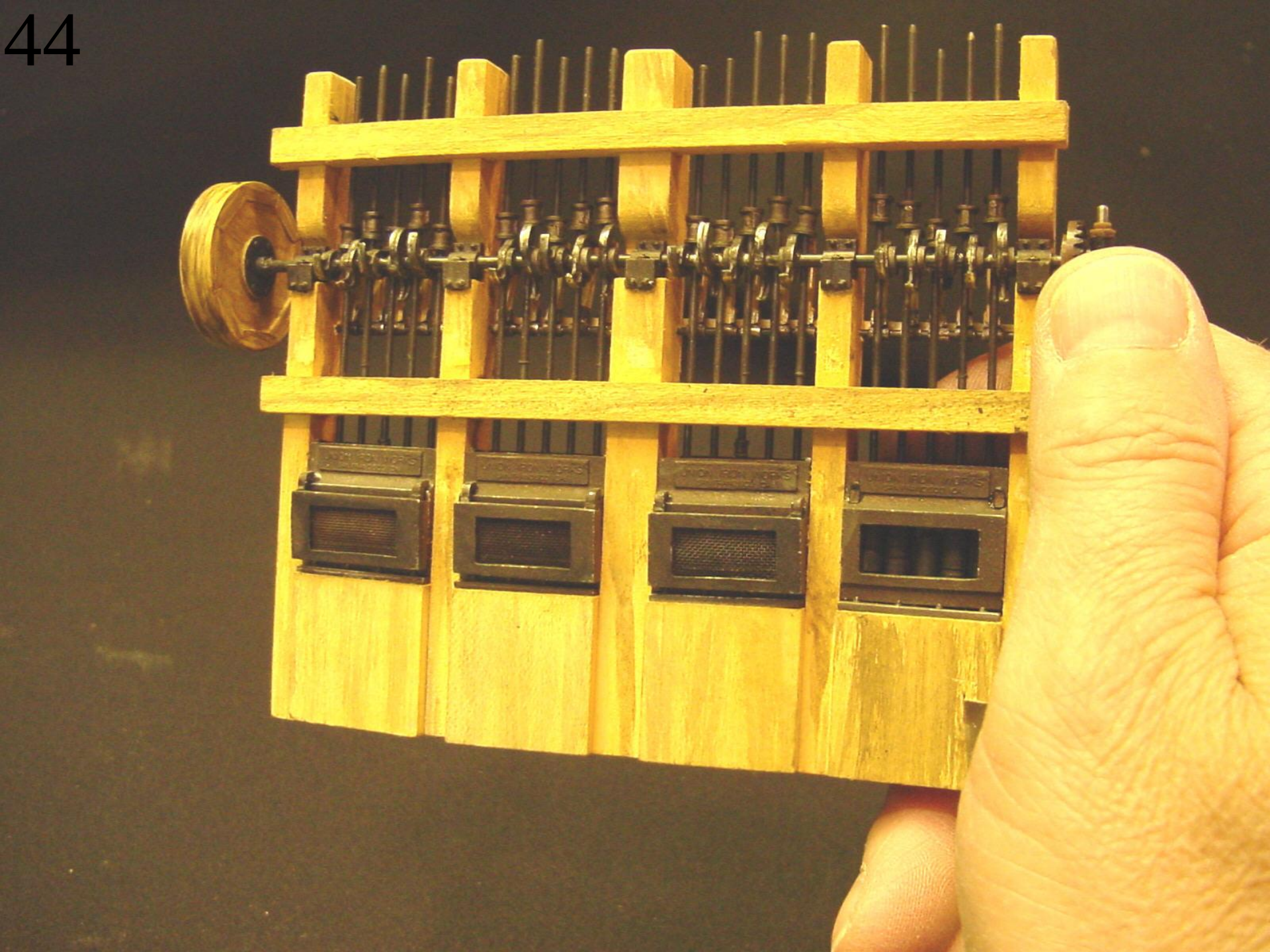


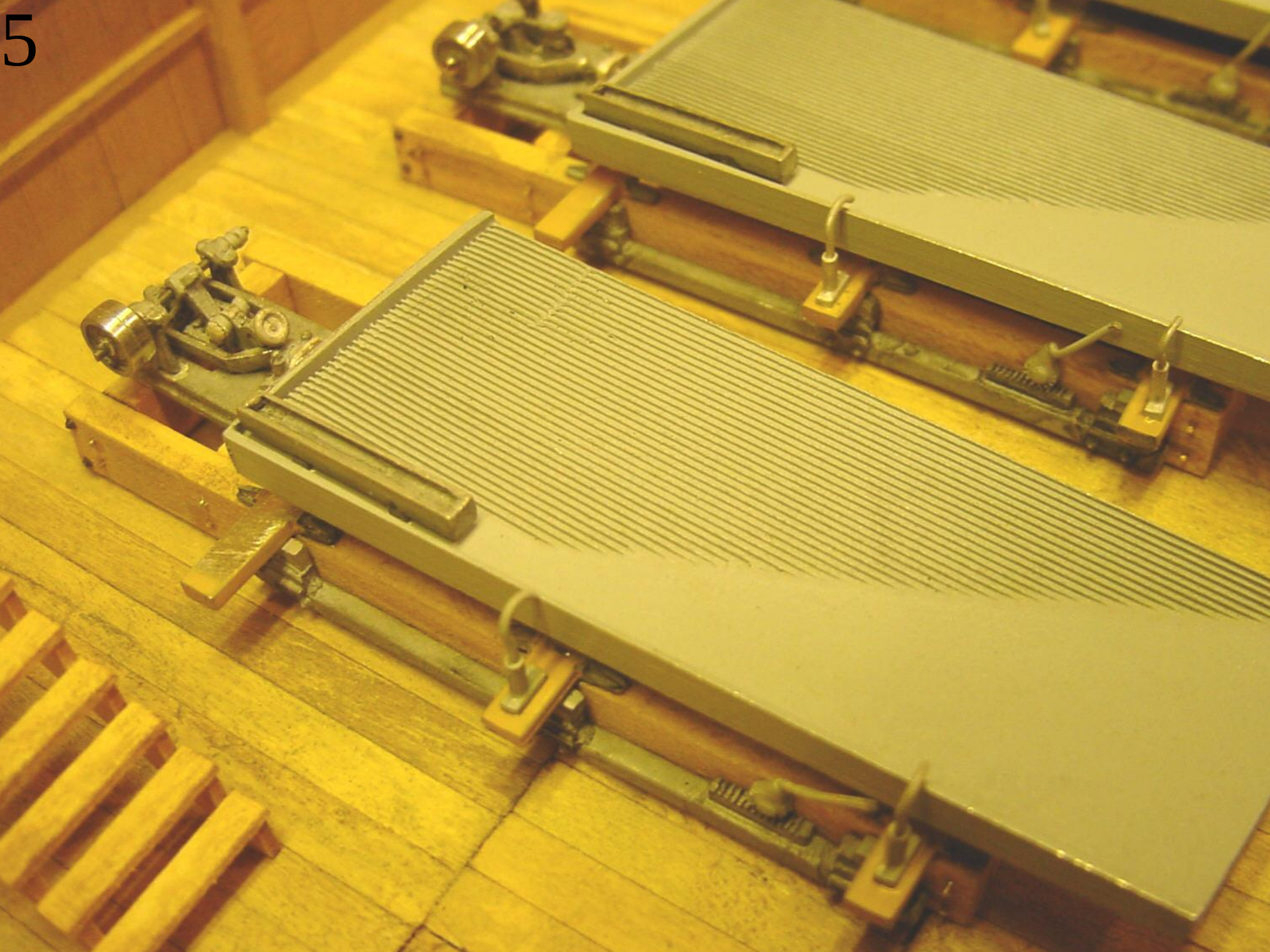
QUALITY
CAUTION
HARMFUL IF SWALLOWED
FLAMMABLE
BROWN
LEATHER DYE
Contains ortho - dichlorobenzene and denatured alcohol. Keep away from heat or flame. If swallowed induce vomiting and call physician. In case of contact with eyes flush thoroughly with water. Keep out of reach of children.
Directions: Have shoes dry. Apply two coats of dye, allowing first one to dry before applying second. Excellent results are obtained by fir
cleaning surface of leather with Lincoln
Preparer before applying dye. When
polish with Lincoln Stain Wax Polish
shoes to dry 24 hours before we
Mfd. by The John L
Sunnyvale, Californ

.43
.75
Belt / Pulley fixture

1.25
Belt / Pulley Fixture



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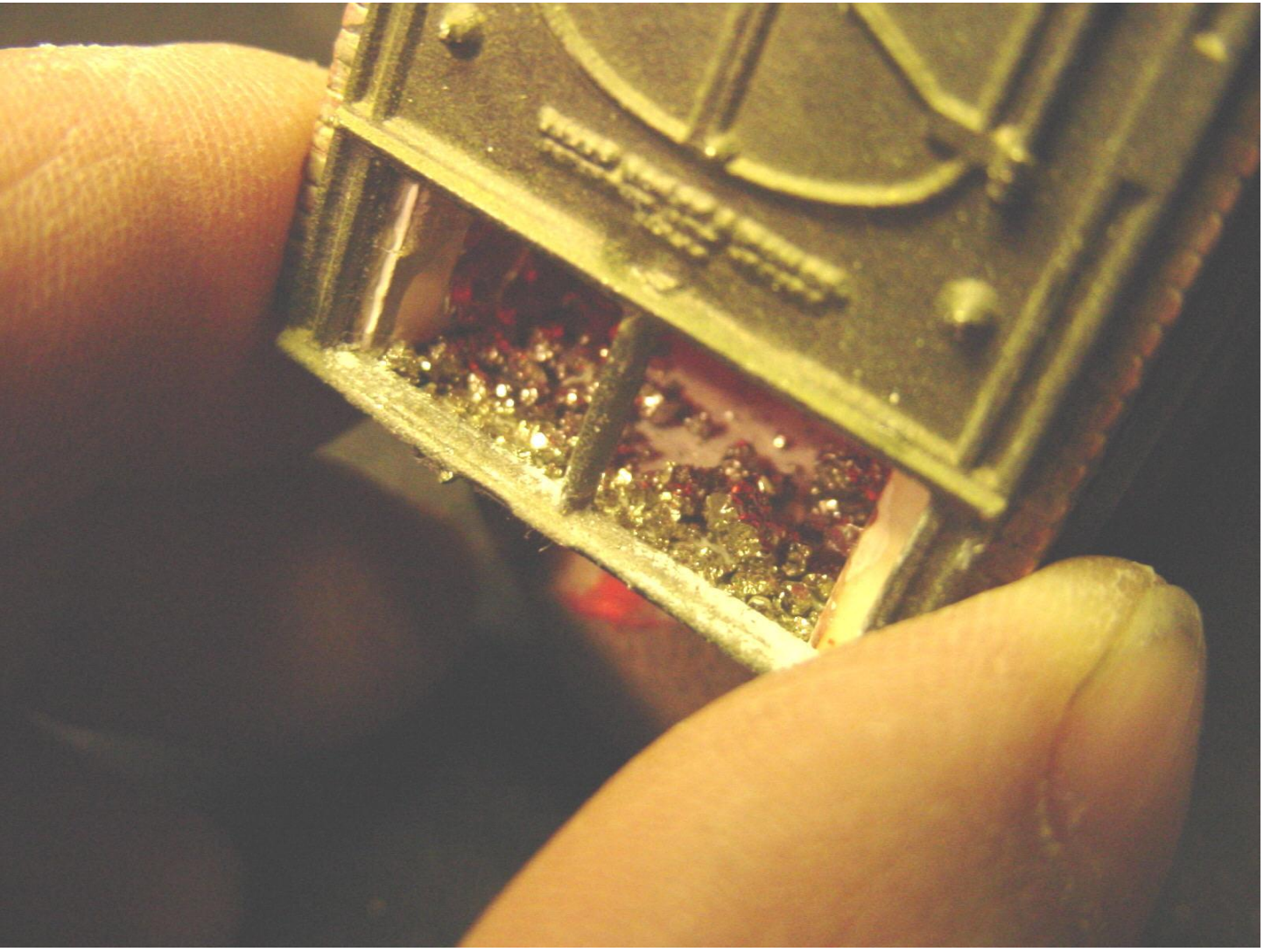
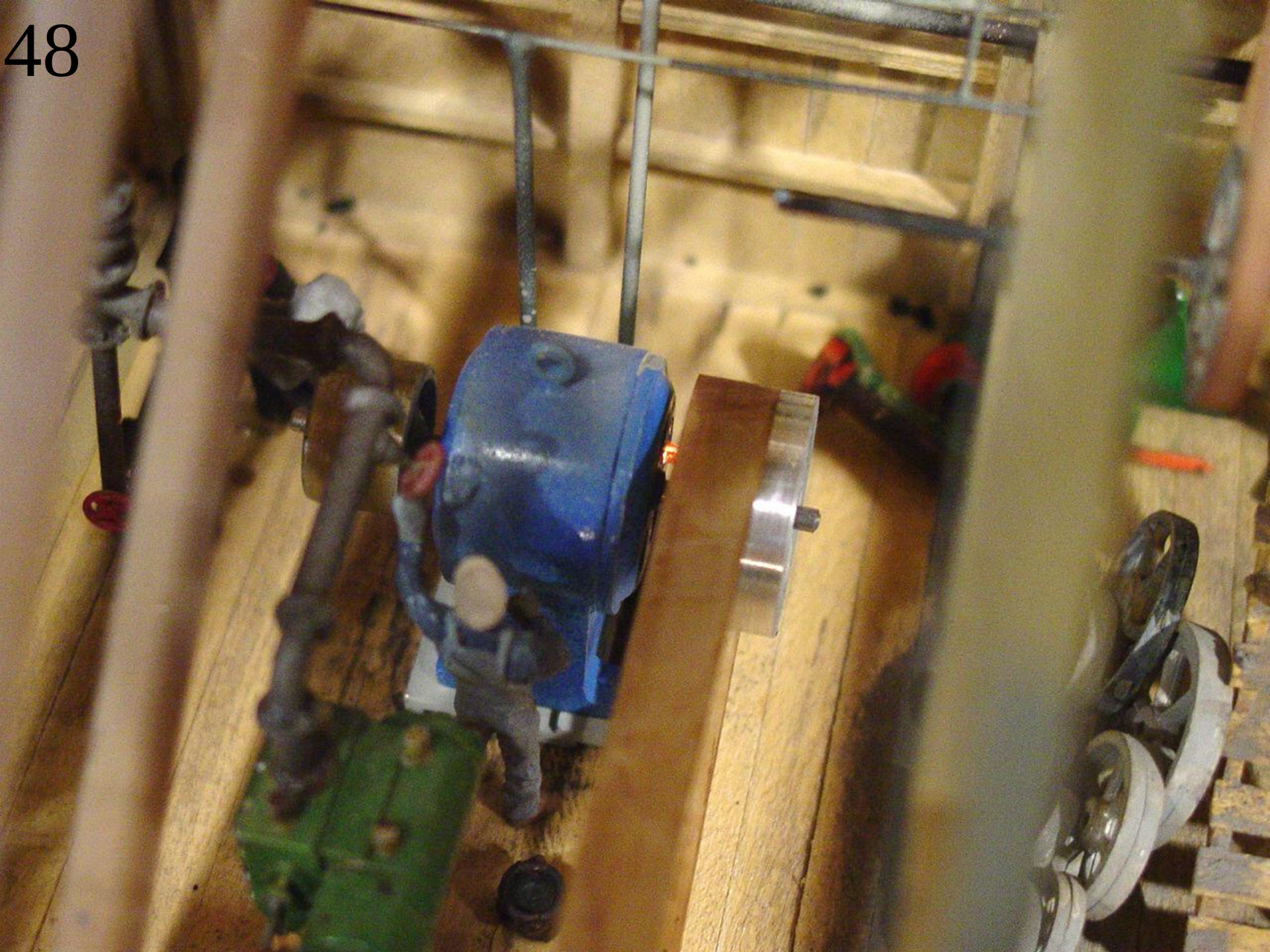
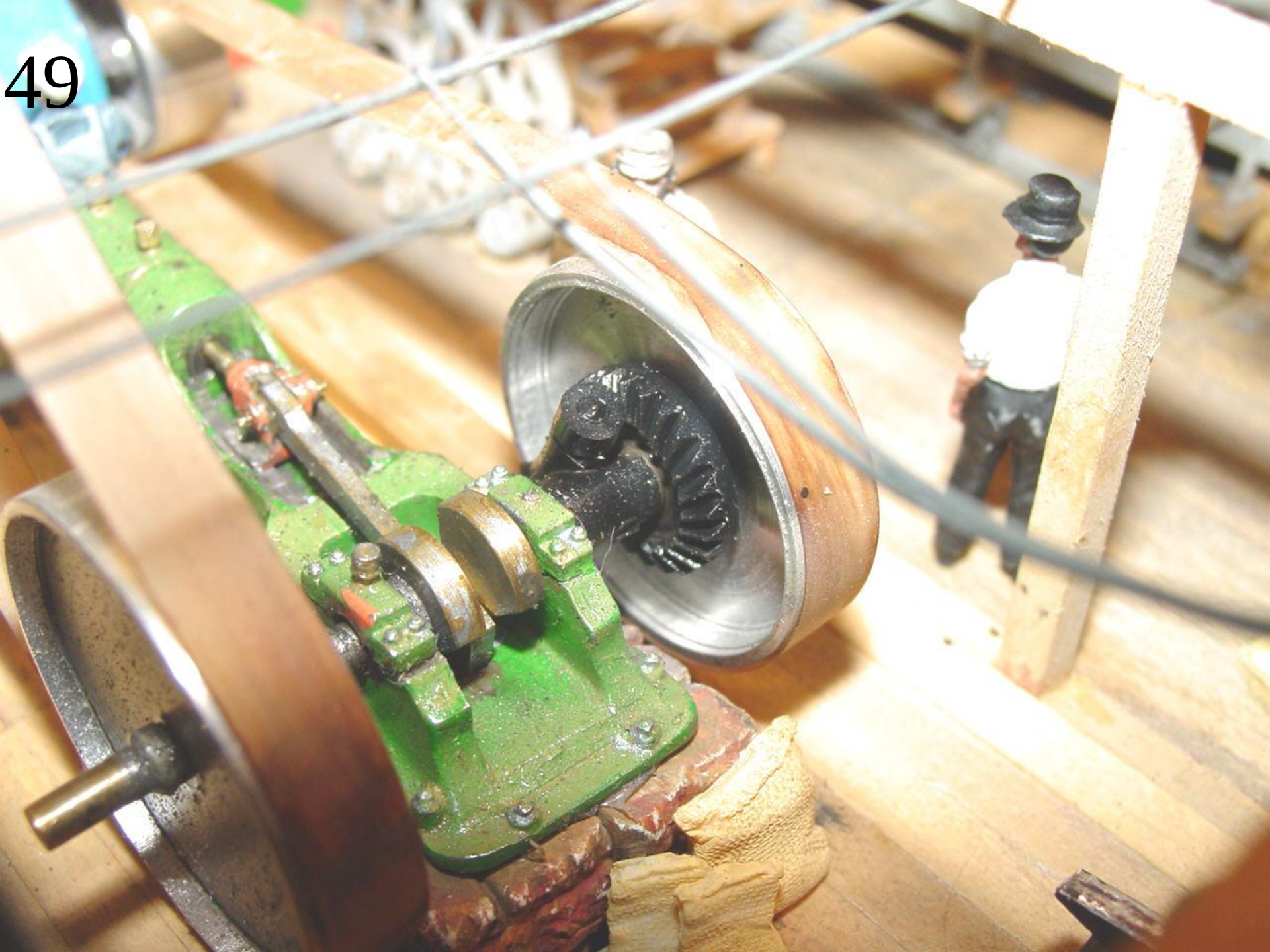
Animations



- Boiler
- Generator
- Steam Engine
- Wilfllleys
- Lighting





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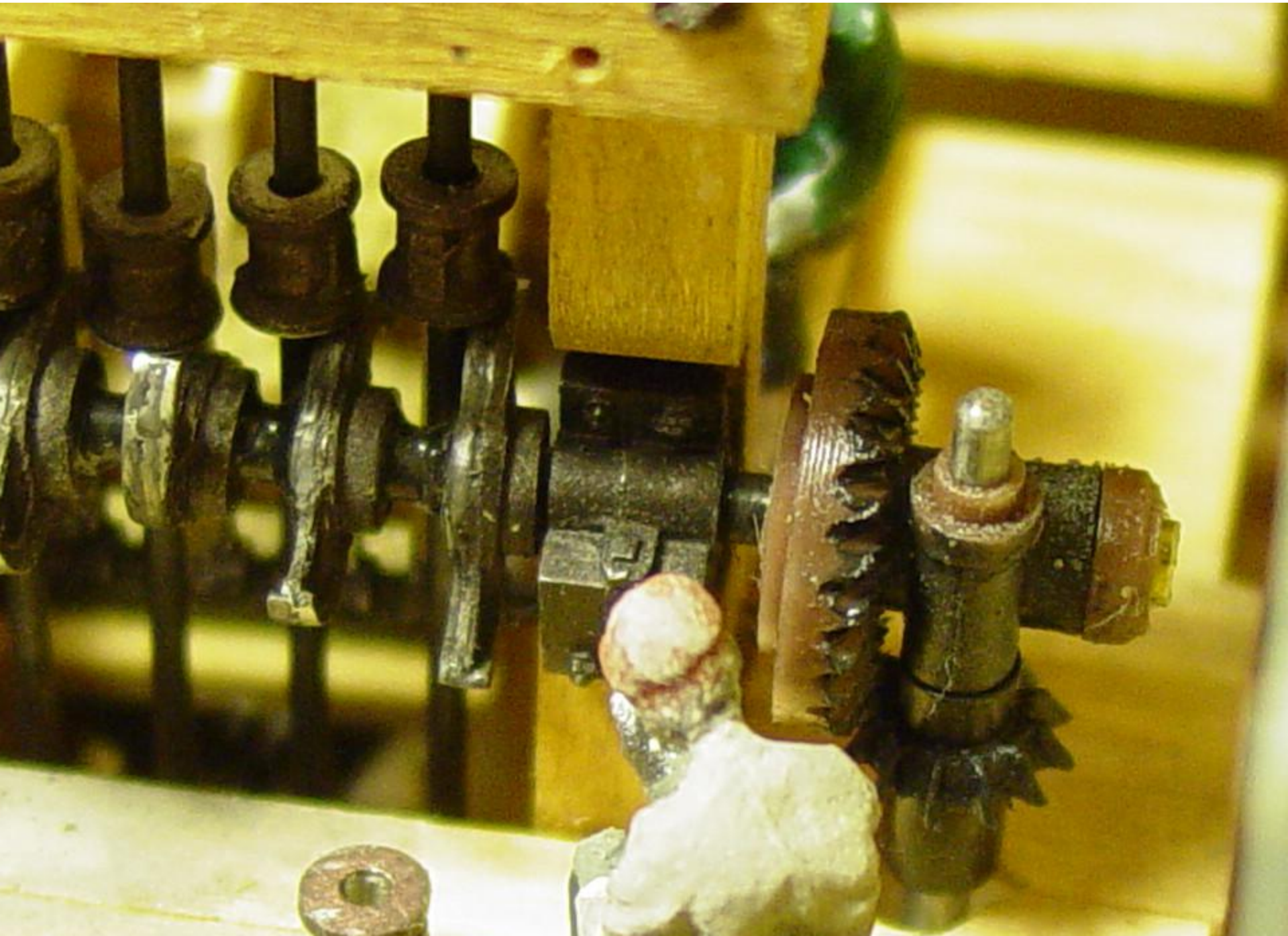

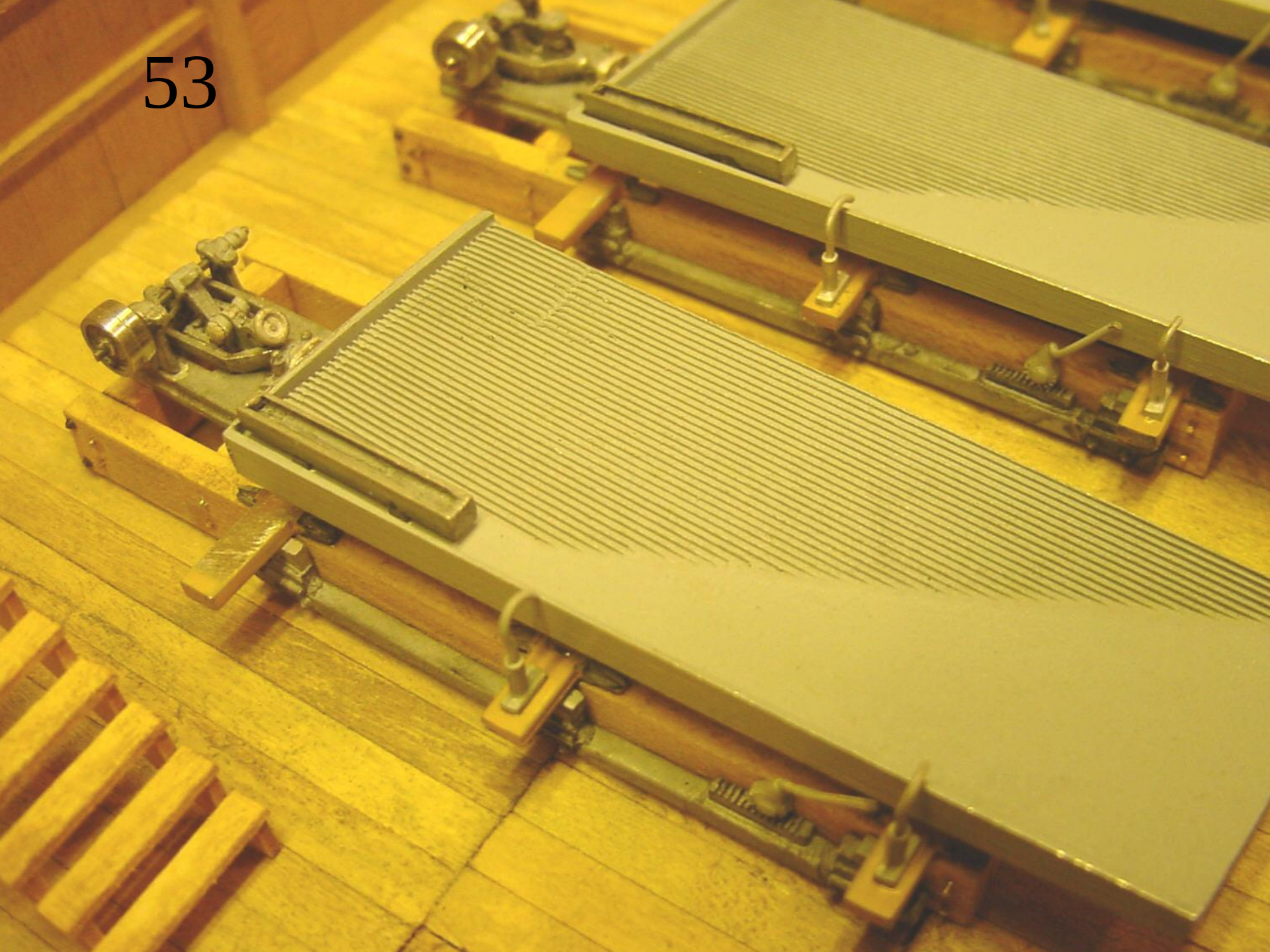

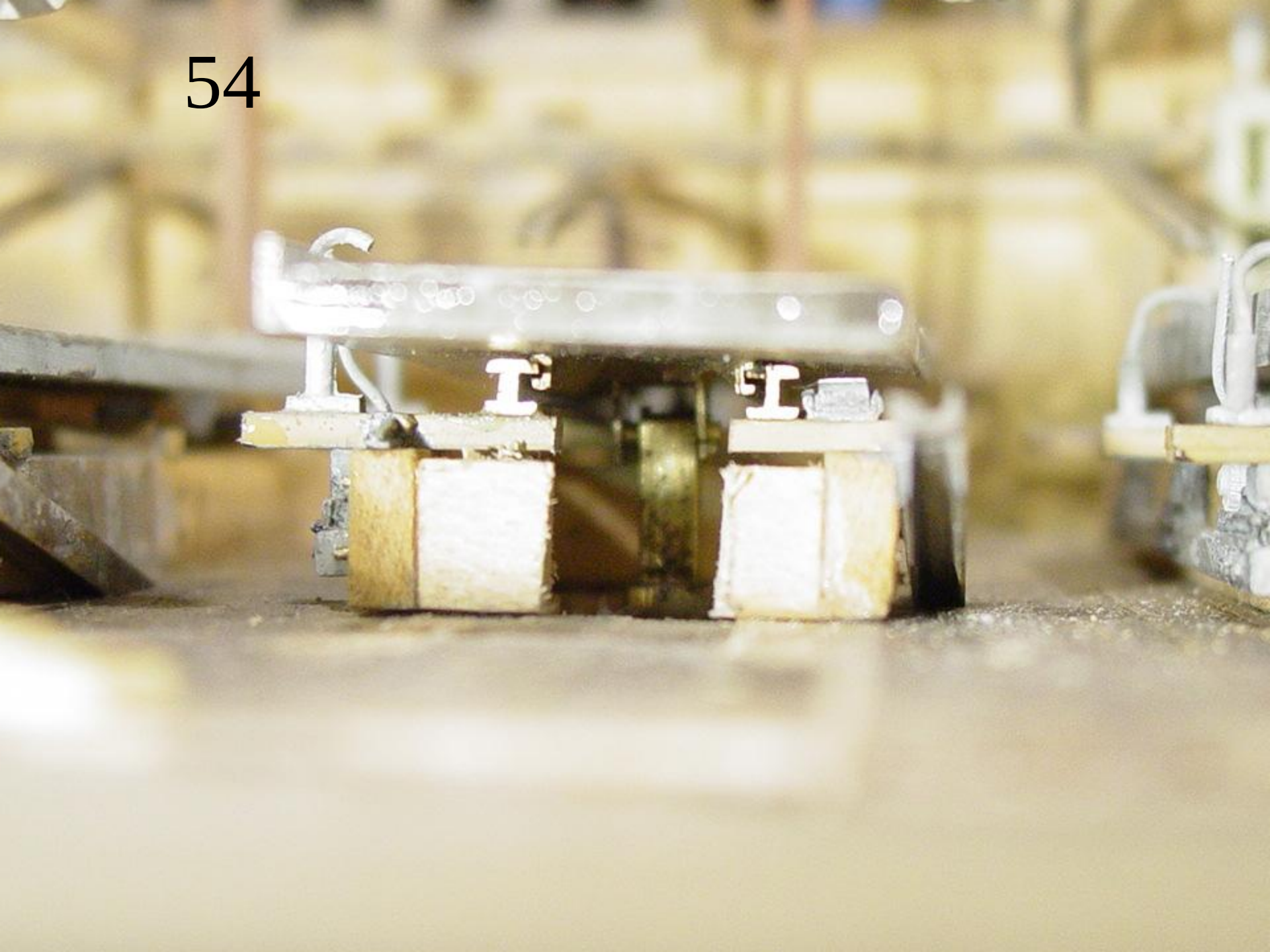

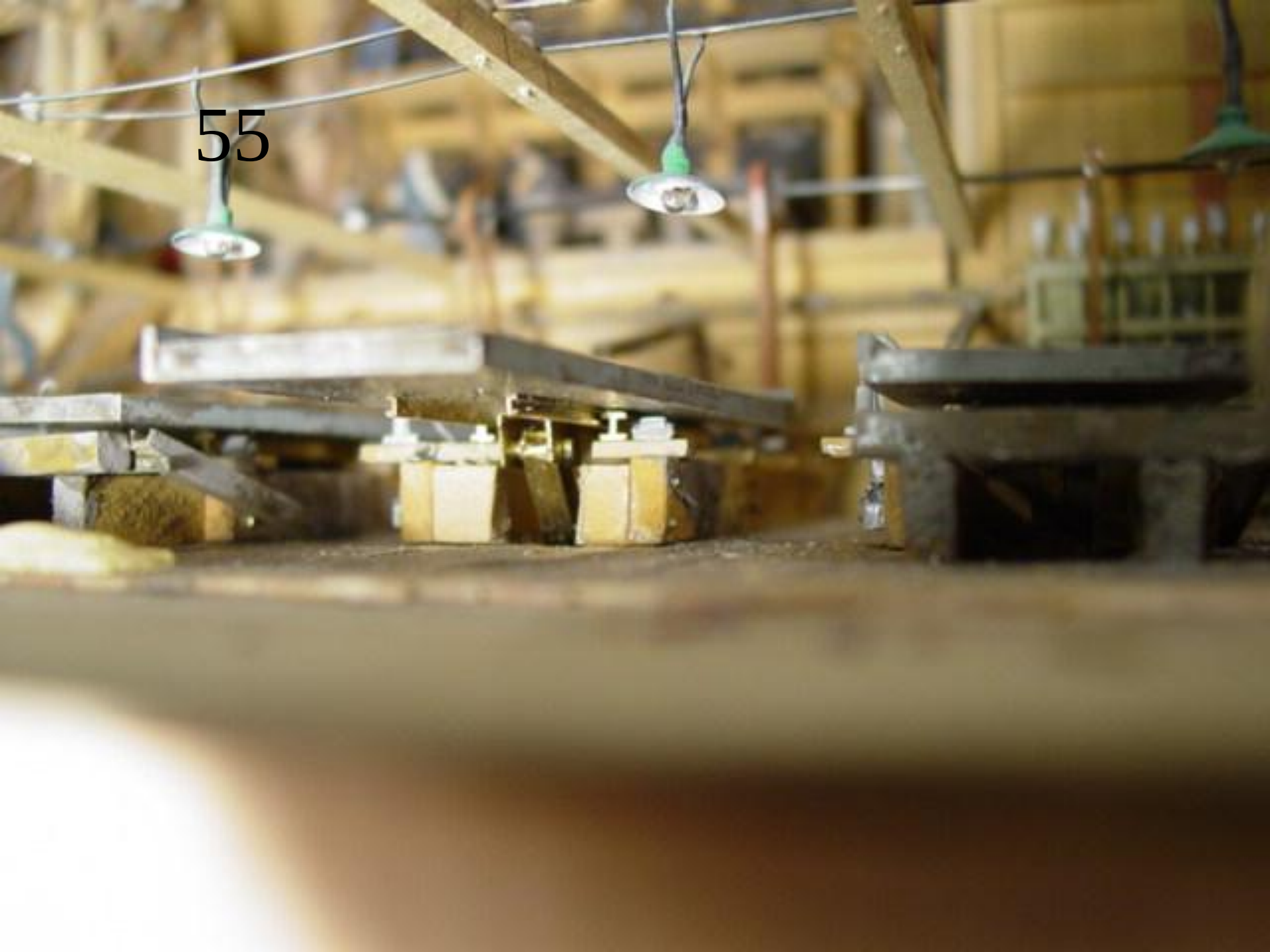
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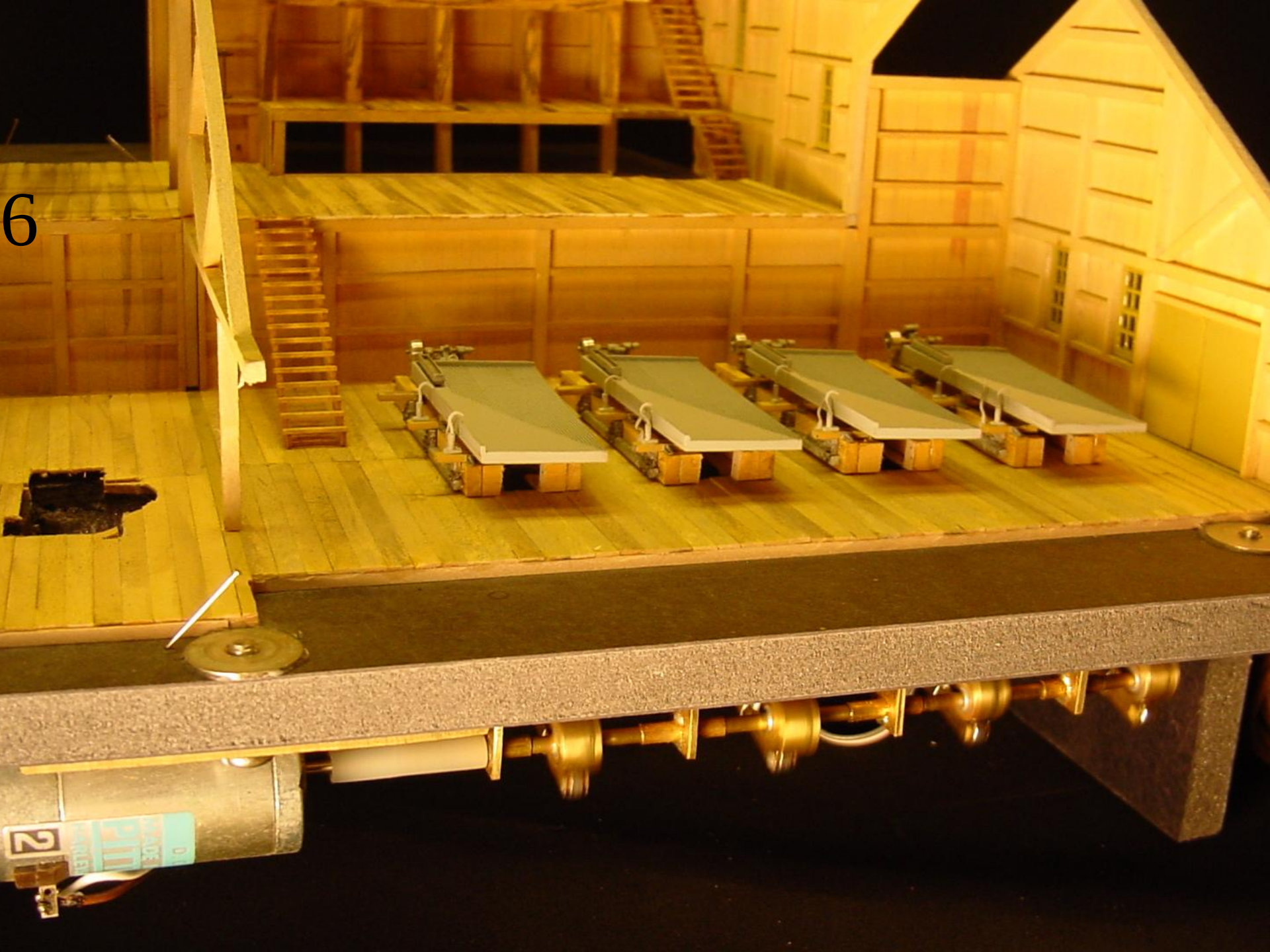
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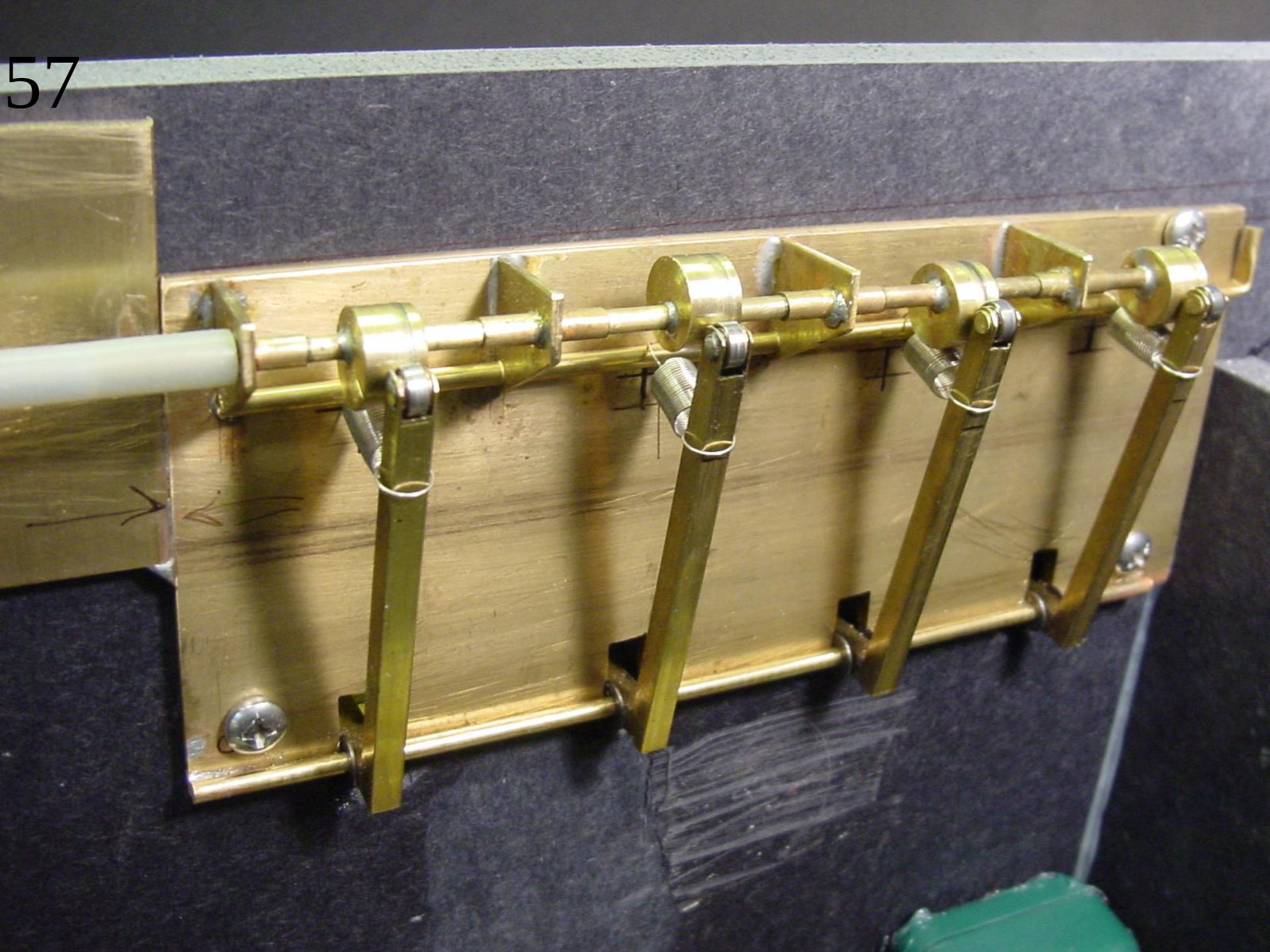


Lighting

- 22 lights

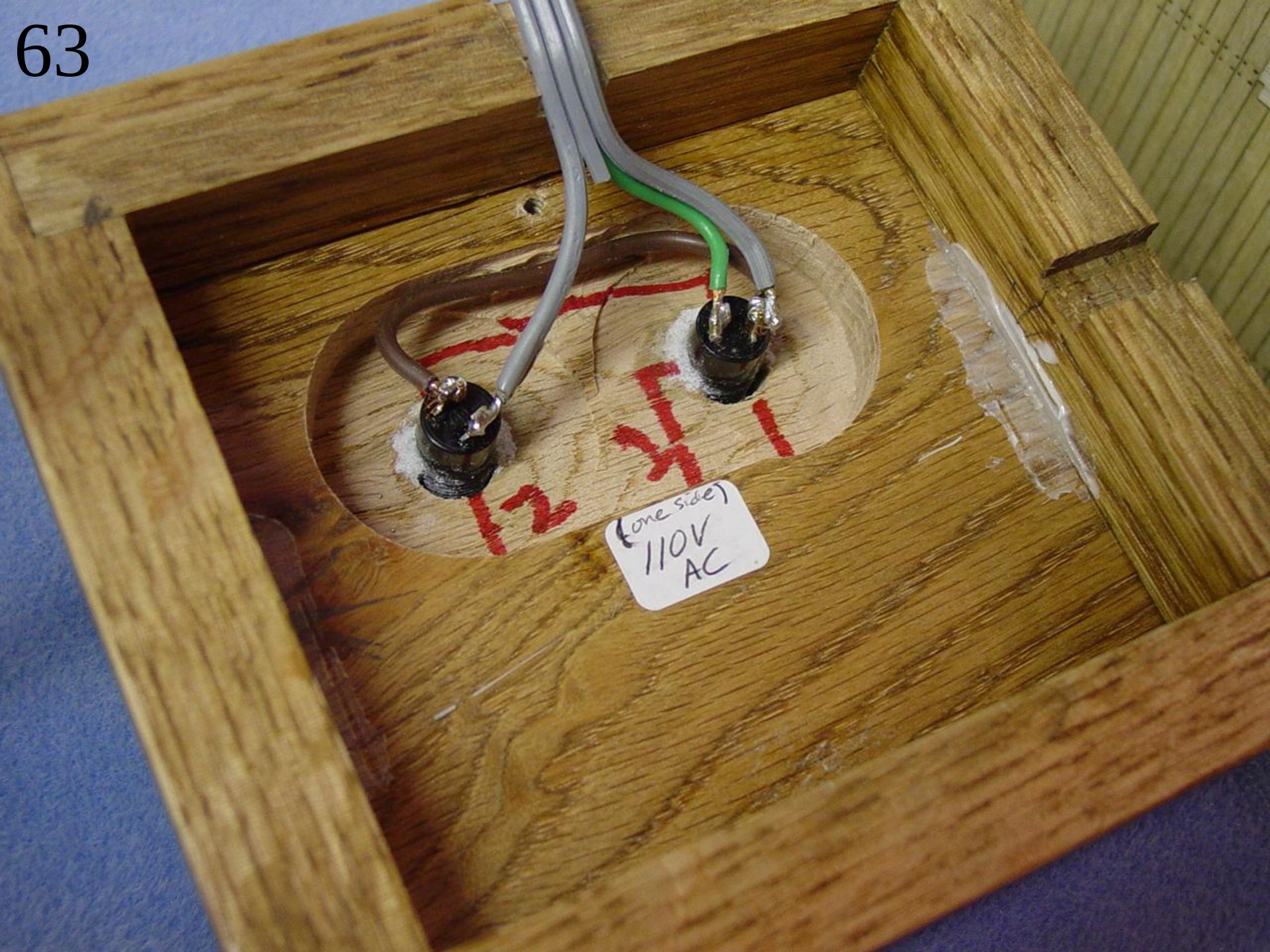
Wiring

- 5 separate power sources

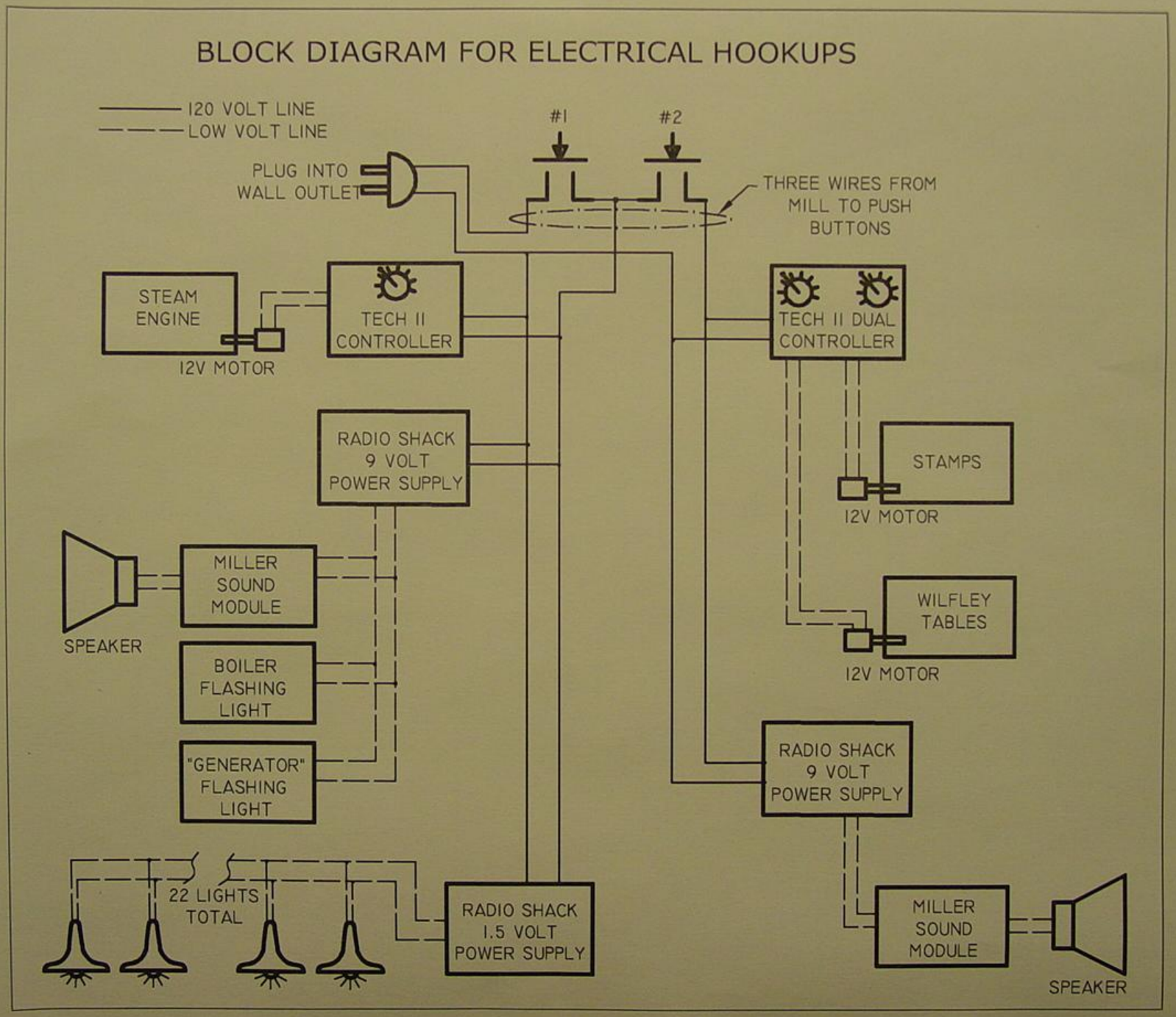
60

50
40
60
30
70
80
10
90
0
100
STALKERS
POWER
ON
DIRECTION
50
40
60
90
100
STAMPS
DIRECTION
K&S
14121 10241

OPERATE THE STAMP MILL
1st and then 2nd
Light the fires and run the steam engine.
Then run the Stamps and the Wilfleys


2
1
(one side)
110V
AC

BLOCK DIAGRAM FOR ELECTRICAL HOOKUPS



Conclusion

- As with most of you, I like to build these models and hope my success has inspired some of you to go just a little beyond what you would normally do.